

Read by ~~SEAMAN~~ ^{Bohan}
ISSUED EVERY WEDNESDAY

DRUG & CHEMICAL MARKETS

Established 1914

A Weekly Business Paper and Prices Current on
Chemicals, Drugs, Colors, and Aromatics

VOLUME XIII,

NEW YORK, DECEMBER 19, 1923

, NUMBER 25

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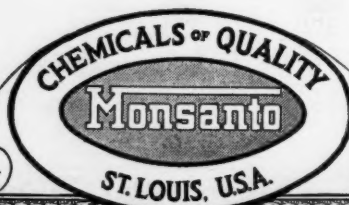
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ISSUED EVERY WEDNESDAY

DRUG & CHEMICAL MARKETS

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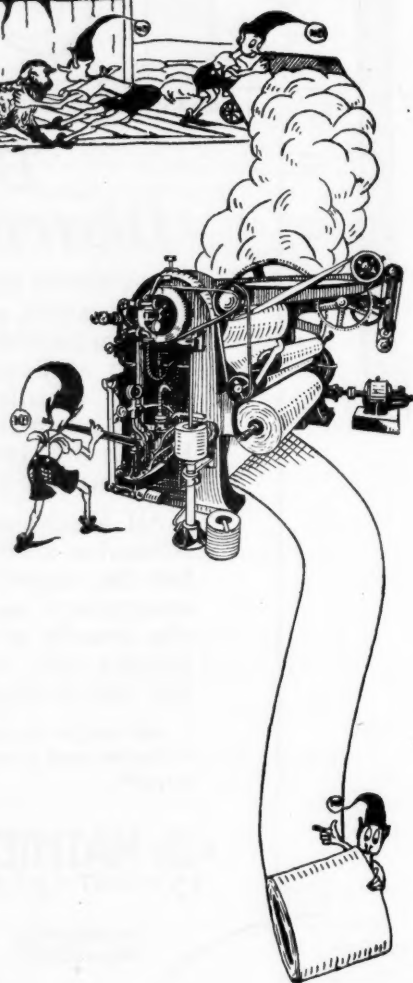
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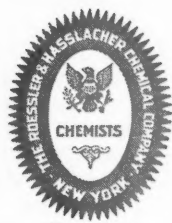
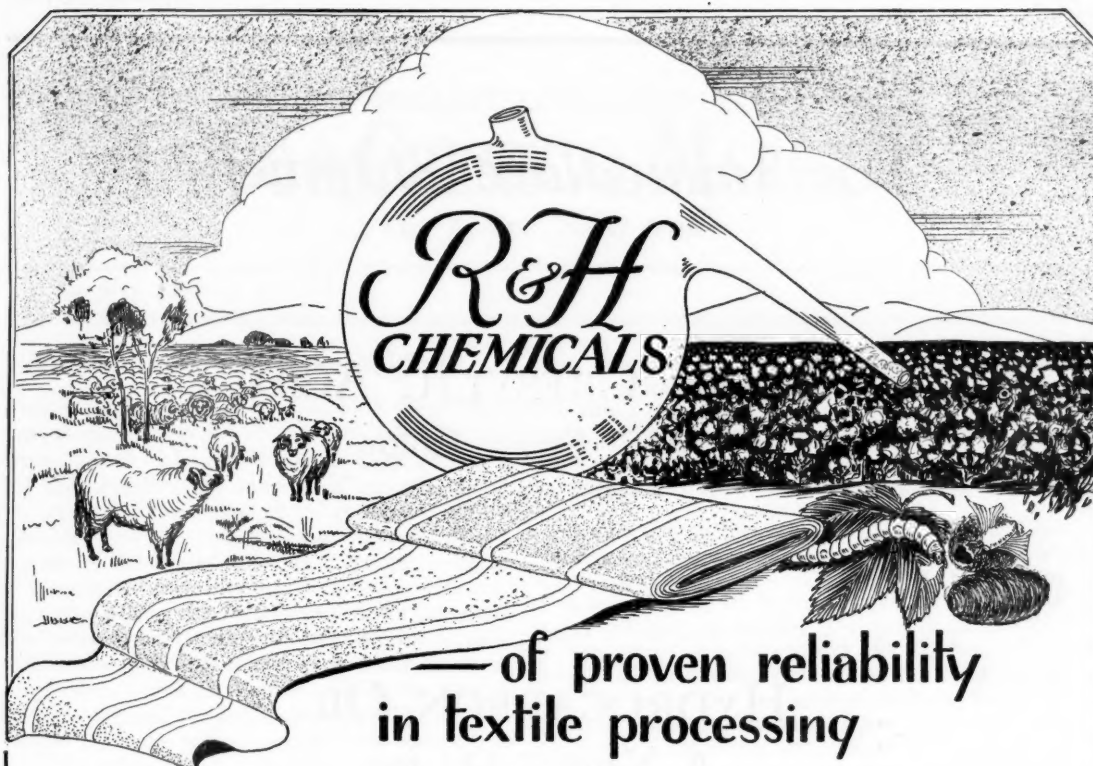
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New York, N. Y.

ISSUED EVERY WEDNESDAY

DRUG & CHEMICAL MARKETS

3 PARK PLACE, NEW YORK

VOLUME XII, NUMBER 25

[DECEMBER 19, 1923]

WHEN A CONTRACT IS A CONTRACT

A mere notice of an intended breach of contract is not of itself a breach of the contract, says the Supreme Court of Pennsylvania, because the buyer could have recalled his unaccepted cancellation at any time within the period of the contract. Notice of intention not to perform the contract, if not accepted by the other party as a breach, remains only a matter of intention and may be withdrawn at any time before the performance is in fact, due. In the case on trial the seller in Minneapolis refused to accept the cancellation and shipped the goods to Pennsylvania where the buyer refused them, and they were shipped to New York and sold at a loss of \$1,600. The court gave the seller the amount in full on the principle that the seller could not hold the goods without becoming liable in damages in case the purchaser demanded delivery at the last hour.

The case is cited by the Pittsburgh Chamber of Commerce in an opinion by its counsel on the question whether or not a contract can be cancelled. The buyer in this suit contended that the seller was not entitled to damages because he should have taken such action in selling the goods as would minimize the loss to the buyer, and should have sold them immediately in Minneapolis on receipt of notice of cancellation. The counsel for the Pittsburgh Chamber of Commerce in discussing the question of contracts for the benefit of members draws attention to another case where a buyer made a contract for a product at \$10 per unit. The market dropped to \$7, and the buyer cancelled the contract, but the seller refused to accept the cancellation. On the day fixed in the contract for delivery of the goods the market advanced to \$15. The seller failed to ship the goods, and the buyer sued for non-delivery and in spite of his notice of cancellation the court awarded him the difference between the contract price and the market price on the day fixed for delivery.

When notice of cancellation is received and not accepted, according to these decisions, it is the duty of the seller to make delivery. The general principle of law that the seller must make such disposal of the goods as to reduce the loss to the buyer to a minimum does not apply, apparently, in cases where the seller refuses to accept cancella-

tion. He must ship the goods before the expiration of the contract, or risk a suit for non-delivery, if the buyer changes his mind. At least, this seems to be good law in Pennsylvania.

THE CALCIUM ARSENATE SITUATION

Stating that the much-talked-of contract between the State of Georgia and the National Gold Arsenic Corp. for the delivery of 10,000 tons of calcium arsenate per year for five years was the chief factor in unsettling the market for this material last spring, several speakers at the recent Arsenic Conference in New York, condemned the attempts of the state to go into the calcium arsenate business. That the contract fell through was no wonder, according to expressions of opinion at the meeting, when the price, ten cents per pound, was found too low to make the material at a profit. The meeting brought out numerous points of this nature among which the Georgia-Gold Arsenic contract was most significant.

For the cotton planter, grain grower, or other agrarian group to attempt a short-cut around the law of supply and demand, is, and always will be, foolhardy. For the State of Georgia to arrange to buy calcium arsenate at 10c with other big consuming factors paying 16c, 17c and 18c, did not, on its face, appear feasible. The wide publicity given to the contract acted as a strong bearish influence on the market and, to put it mildly, threw a scare into most calcium arsenate manufacturers. With the removal of the demand for 10,000 tons of arsenate in a market consuming a total of anything between 15,000 and 30,000 yearly, the situation was warranted to jar the steadiest of nerves. The collapse of the deal left Georgia in a peculiar position with none too friendly feeling emanating from arsenate manufacturing circles.

Arsenic and calcium arsenate do not differ from a thousand and one other chemical manufacturing propositions. Because the latter is used to kill the weevil does not place it in a class by itself. As long as these items can be made and sold at a profit, just so long will manufacture continue. When prices drop to the point where there is no profit, the manufacture will be abandoned. If, as the Department of Agriculture report states, there will be 28,000 tons of white arsenic to supply a 15,000 ton demand in 1924, the price will be reasonable. If, however, the weevil ravages are heavy, and demand runs up to 25,000 tons, for

example, buyers can make up their collective mind now that they will pay high prices. This law holds true whether the product is pumps or peanuts. Then, the Georgia State Board of Entomology might investigate the speculators within her own borders. Sales in that State last year which were reported up to 40c per pound, were not made by manufacturers. Official attempts to nullify the law of supply and demand will not aid the situation.

A REPLY ON BLEACHING POWDER

In answer to an editorial, entitled "If I Made Bleaching Powder—", in *DRUG & CHEMICAL MARKETS* for Dec. 5, the following communication has been received in defense of bleach.

"Incidental to the use of 100 pounds of liquid chlorine in the pulp and paper mill, 125 pounds of hydrated lime is required. Regarding transportation charges, and the so-called economic waste: It costs 32 cents to transport a hundred pounds of bleaching powder from Niagara Falls, N. Y. to a large consumer in Wisconsin. To transport a hundred pounds of liquid chlorine in 15 ton tank cars from Niagara Falls to the same consumer costs 71½ cents per 100 pounds. The transportation charges on a satisfactory hydrated lime amounts to 27½ cents per 100 pounds chlorine making a total of 99 cents for transportation charge per 100 pounds of liquid chlorine. Inasmuch as the transportation charges on 300 pounds of bleaching powder would amount to only 96 cents, assuming a 3 to 1 ratio as correct, the use of bleaching powder is, after all, more economical in transportation cost."

In the example selected the actual freight cost on chlorine exceeds that for an equivalent of bleaching powder. It is unlikely, however, that a paper or textile plant would have to go seven or eight hundred miles for its lime. Even if this were the case, for every hundred pounds of chlorine available in bleaching powder, about two hundred pounds of lime are shipped the full distance. In the case of liquid chlorine, the letter above states 125 pounds are required. This is 75 pounds less, or a saving of 25 per cent. But it is hardly ever a question of freight rates, which at different points vary one way or the other, though seldom enough to be the determining cost factor.

When it comes to the use of bleach and chlorine, technical and commercial authorities agree that the latter is more efficient. The losses in chlorine in using bleach in actual plant operation, with a few very efficient plants excepted, runs up to 25 and 30 per cent of total chlorine available. This is due to the inability to liberate efficiently all the chlorine in the calcium hypochlorite, and the fact that most of the sludge contains six to ten per cent of chlorine. The quantity of nascent chlorine immediately available in bleaching operations with liquid chlorine is greater and the loss less. The fact that over a score of big paper mills of which we know have switched over to chlorine during 1923 bears out the practical economies effected.

The interests of the chemical consumer and the interests of efficiency in the American chemical

industry make this practical problem pertinent, and we welcome fullest discussion of these facts.

The concentration movement in the German chemical industry is making considerable strides. Home conditions are straining the financial resources of manufacturers and traders to the utmost, and the fact that it is comparatively easy for foreign investors to gain an interest in the industry, prompts many firms to combine and to increase their share capital in order to strengthen their position.

If American business expects anything big or worth-while from our present Congress between now and next November, it must remember the workings of the political mind. The order in which all things are considered is apparently as follows: (1) re-election, (2) partisan legislation, (3) other legislation, (4) the nation's welfare and prosperity.

One of the most startling and significant things about the Mexican revolution thus far, is the fact that prices for Mexican vanilla beans have not been advanced materially in New York. Truly, this revolution must be a very small thing, and we suggest placing the family plate on the other side to win, hands down.

Many Men: Many Minds

A prominent psychologist says that "slow thinkers live the longest." Not if they drive an automobile.—*Financial America*.

"When business is poor and conditions generally depressing is the best time to advertise. Of all business failures 84 per cent are non-advertisers."—W. W. Gail, Billings Advertising Co.

O. F. C. Bromfield, secretary of the British Chemical and Dyestuffs Traders' Association, in a statement on the manner in which the Safeguarding of Industries Act (1921) has been operated in regard to the chemical industry of the country, said: "I have had a wide experience of the way in which this act has been administered and I can say without hesitation and prove it that this legislation has done a tremendous amount of harm far outweighing the little material benefit it may have given to individual manufacturers."

"Since the biggest users of colors are the textile manufacturers, it would seem that these men should, long ago, have engaged in the manufacture of colors themselves, thereby getting them at cost. The Pittsburgh district has shown us a similar situation relative to soda ash manufacture. This chemical is essential in glass manufacture. One large plate glass firm many years ago erected its own soda ash plant in Ohio, and in another line of glass manufacture, a group of glass men organized a soda ash company which provides all the soda needed by each glass concern holding stock in the alkali company. It is hard to see why the powerful textile group should not have done the same thing in connection with dye manufacture. If they had done this, say back in 1900, there would have been no dye famine in 1914."—Prof. J. H. James, Carnegie Institute.

Fixing the Blame for LC/L Abuses

The Trade Discusses Editorial on "Less Than Carload Lots" in Chemical Distribution

FOR a manufacturer to have two agents in a single territory is to divide responsibility, which leads to abuses, and to double sales effort, which is but another form of the over-production evil. It is essential that the published schedule on less than carload sales be maintained, if the published price on contracts is to hold. To countenance local price cutting is therefore like digging one's own grave, while to finance a dealer's cuts by rebates is driving nails in the coffin. The appointment of a proper agent calls for as much consideration of reliability as of ability. Constant calls for increased sales in a highly competitive market aid in creating the causes of market instability.

Local agents, on their part, should not forget that it is their function to represent their principal, and that no man can serve two masters. If, after the manner of a cut-rate drug-gist, they use alkalis as a price leader to get customers for acids, soaps, oils, or what not, they will some day be without any alkalis in their line. Every cut price is not of necessity a real quotation. Buyers sometimes do some sharp shopping and salesmen with no orders sometimes seek an alibi. One of the world's greatest merchants once said that "knowledge of costs is the beginning of business wisdom," and there is certainly never any profit in handling any item at a loss. There is a good, solid basis for understanding among local factors, familiar with local conditions, when they remember their common problems.

William J. Thorn, Innis, Speiden & Co., Philadelphia.—I heartily agree with much of what you have written, but feel that the remedy must necessarily be a basic one. While principal producers, as at present, are engaged in a prolonged silly and ruinous struggle to satisfy petty whims, whereby such a commodity as Bleaching Powder can be bought in primary markets for 30% below cost of production, it follows that the same condition of demoralization must extend itself to the distributing centers where it is eagerly used to advantage by sharp buyers. Again I say the ailment is a basic one and must be remedied at its source.

Silas Besthoff, Truempy, Faesy & Besthoff, Inc., New York.—Producers located at a distance from the principal consuming centers must of necessity, seek L.C.L. distribution through local representation. While standardization of price in the L.C.L. Alkali field has undoubtedly imparted a certain amount of stability to the market, the difficulties in applying this principle to every chemical of major importance can be readily appreciated. In the past too much emphasis has been placed upon price; to-day, to the intelligent buyer, quality and service, rather than price are of paramount importance, and as one is judged by the company one keeps, so must cheap quality and cheap service be associated with cheap prices.

Arthur Phillips, National Oil & Supply Co., Newark, N. J.—Naturally we appreciate the interest you are taking in advocating the distribution of less than carload lots of Alkalis, and other chemicals, as we have been marketing these products in this section for at least 25 years. We believe that both the consumer and the producers interests will be better taken care of through local distribution than through carlot deliveries, as the local distributors organization keeps in close touch with the consumer at all times and also it precludes the necessity of the consumer laying in large stocks, as the distributor practically gives him warehouse facilities.

A war legacy to the chemical industry was increased production with a disorganized system of distribution. A most acute angle of the whole problem is the local sale of less than car lots.

DRUG & CHEMICAL MARKETS weighed editorially last week both sides of the question in the two paragraphs quoted above. The frank views of the trade emphasize the problem and indicate favored solutions.

exceedingly lower than the standard less-than-carload prices. I hardly feel that I can say anything that could in any way improve this wonderful editorial which you have written but I trust that my letter may give you some food for thought in some future editorial you may have in mind.

Otto A. C. Hagen, T. G. Cooper & Co., Philadelphia.—We thoroughly agree with you that for instance in Phila., the less carload business in Alkalies is completely demoralized, because there are entirely too many dealers; the result is cut-throat competition, and no profit—in fact sometimes a loss; buyers are encouraged to name their own price. **SOLUTION:**—Gentlemen's agreement not to cut the price, placing all on an even basis.

C. R. Burnett, American Oil & Supply Co., Newark, N. J.—Your recent editorial on the distribution of less than carload lots is timely, we view it with the eyes of veterans in the distribution line, thirty years experience has taught us several things.

First. The jobber is an integral and permanent part of the business fabric. Second. A manufacturer is no stronger or higher grade than the jobber he permits to represent him. Third. A legitimate profit is the only safeguard to distribution.

Given these essentials every endeavor to raise the tone of distribution and stamp out the evils caused by unethical practices, undignified scramble for business and unscrupulous methods has our hearty approval and

S. J. Friedlander, Friedlander Supply Corp., Brooklyn.—A number of the small manufacturers are, in my estimation, the cause of all these fluctuating prices as they are the ones who break markets and get cold feet just as soon as they lose an order to John Brown or Jim Smith through perhaps some little personality or the selling ability of a salesman. I can numerate about 100 different cases where small manufacturers directly send out circular letters on less-than-carload deliveries which are

we hope the day is not far distant when the maker of a product will select as his representative in a natural territory one in whom he may place entire confidence and whose interests shall be recognized as mutual, and for complete protection see to it that his goods do not get in speculative hands or in the hands of those tried and found wanting in ordinary business sagacity and ability. Not until then will abuses now rampant in many lines be curbed and stable conditions restored.

John Boyer, Mathieson Alkali Works, New York.—You have neglected to bring out what I have always regarded to be the most important element of difficulty in less-than-carload Alkali business. That is, that oversolicitation based on past ideas of the profits possible from speculating in heavy chemicals is the root of the whole trouble.

Eli Winkler, Isaac Winkler & Bro. Co., New York.—I am very much impressed with the sane and constructive tenor of your editorial.

H. G. MacKelcan, Innis, Speiden & Co., New York.—I think you have covered the situation pretty well as far as Alkalis are concerned. However, we do not find very severe price cutting in caustic soda and soda ash. The gravest error is on the part of the manufacturers of chloride lime. They certainly have not used very good judgment.

(More Next Week)

COMMERCIAL SOLVENTS PLANTS ACTIVE

Commercial Solvents Corp. has perfected a system of preventing serious contamination of bacteria used in making its basic product, butyl alcohol. The new system will protect the company against such interruption of activities as has curtailed production in 1923. The Terre Haute plant is now on a normal basis, running full time, and the new plant at Peoria is running about 30 per cent. It is expected to operate at capacity soon after Jan. 1, bringing total production up to a monthly rate of 2,000,000 to 2,500,000 pounds.

The directors may consider restoring the \$4 dividend on the Class A stock at the next meeting, since a quarterly dividend on the 40,000 shares would require only \$10,000. There will be no action on the Class B. Operations in 1922 showed a net loss of \$34,882 and an operating loss of \$18,116.

ALLIED CHEMICAL HAS GOOD YEAR

Allied Chemical & Dye Corp. directors will meet the day after Christmas to act on the common dividend and it is expected that the usual \$1 quarterly will be declared at that time. In the absence of any official figures it is impossible to give an estimate of earnings, although those who have made a close study of the company's business, believe earnings applicable to the common stock will be between \$6 and \$8 a share on the 2,177,843 shares of common, compared with \$5.68 a share for 1922 and \$2.68 for 1921. In 1922, available reserves totaled \$87,251,704, compared with \$77,463,948 end of 1921. This increase was equal to \$4 a share on the outstanding common stock. The company owes nothing to the banks and has no funded debt.

Royal Baking Powder Co. has declared an extra dividend of 2 per cent on the common stock, in addition to the regular quarterly payment of 2 per cent. The regular dividend of 1½ per cent also was declared on the preferred stock. All three dividends are payable Dec. 31, to stockholders of record Dec. 15.

GARVAN SAYS GERMANS ARE PLANNING TO MANUFACTURE DYES IN UNITED STATES

Tells Synthetic Organic Chemical Manufacturers Association That the American Industry Is Now Established on Firm Foundation—Dr. Herty Speaks on Necessity of Tariff Protection—Col. J. I. McMullen, C. C. Concannon, Prof. Bancroft and D. F. Waters Discuss the Situation—Officers Are Elected

Frances P. Garvan, president, Chemical Foundation, told the Synthetic Organic Chemical Manufacturers' Association at the annual meeting at the Hotel Commodore, on Friday, Dec. 14, that Dr. Karl Bosch and other German chemical manufacturers had sought alliance with American companies, on his recent trip to this country, and that having failed to interest anyone in the proposition Dr. Bosch and his associates now planned to establish an independent German dye industry in the United States. Mr. Garvan continued:



FRANCIS P. GARVAN

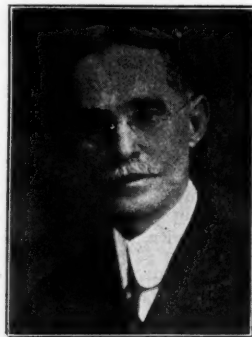
"Big or little, America has decided to have an organic chemical industry of her own, so that her children and children's children shall be safe. That was the plea you made when you came to me in the past administration and which you made to this administration and Congress. We expected that in accepting it, it would be lived up to."

Col. J. I. McMullen of the Judge Advocate General's office of the War Department spoke on the need of a well-balanced chemical industry for national defense.

C. C. Concannon stated that the chemical manufacturers of the country would do well to investigate the formation of export companies under the Webb-Pomerene Act, as he felt that they would eventually have to come to it. He also expressed a hope that a way would be found to finance what he termed the Marketing Fellowships to work in conjunction with and to extend the work of the Department of Commerce.

Daniel F. Waters, president of the Master Dyers Association, was elected an honorary member of the Association. In accepting the honor Mr. Waters said that the American chemical industry could get along without any help from any other country, that it had solved many of its problems, and that its function at present was to keep one step ahead of foreign development.

Prof. Wilder D. Bancroft, Cornell University, discussed the chemical action of light on dyes and pigments. Dr. Bancroft emphasized the fact that foreign made dyes were in no way superior to American colors and said that similar dyestuffs have the same properties wherever manufactured.



DR. CHAS. H. HERTY

(Continued on Page 1681)

QUOTATIONS ON CHEMICAL STOCKS

Closing Prices for Week Ending Dec. 15

	Bid	Asked		Bid	Asked
Air Reduction	65	67	Hercules Powder	106	110
*Allied Chem. & D. 68	68 3/4		Hercules Powd., pf 103	104	
*Allied Ch. & D., pf. 109	110		Heyden Chem.	154	
*Am. Ag. Ch. 11	12		Hooker Electro	55	65
*Am. Ag. Ch., pf. 36	37		Hooker Electro, pf. 60	70	
*Am. Chiclé 15 1/4	16		*Household Products 33 3/4	34	
*Am. Chiclé, pf. 53	58		*Int. Agricult.	5	1
*Am. Cot. Oil Cfs. 9	9 1/4		*Int. Agricult., pf. 5	5 1/2	
*Am. Cot. Oil Cfs.,			*Int. Nickel 13 1/4	14	
pf. 28	29		*Int. Nickel, pf.	80	81
*Am. Cyan. 84	86		*Int. Salt 80	80 1/2	
*Am. Cyan., pf. 74	77		*Mathieson Alk.	40 1/2	41
*Am. Druggist S.	83		Merck & Co., pf.	63	67
Am. Glue, pf. 124	126 1/4		Merrimac 96		
*Am. Linseed 17 1/4	18		Mulford Co. 29	34	
*Am. Linseed, pf. 32	33		Mutual Co. 150		
*Am. Zinc 7 1/4	8		*National Lead 126	127	
*Am. Zinc, pf. 27	28		*National Lead, pf. 110 1/4	111 1/4	
Archer-Dan-Mid	20 1/4		N. J. Zinc 153	158	
*Atlas Powder 52	54		Niag. A., pf. 96	100	
*Atlas Powd., pf. 85	87 1/4		Parke, Davis & Co. ..	79 1/4	
By. Prod. Co. 72	73		Penn Salt 87 1/4		
Carborundum 135	135 1/4		*People's Gas, Chi. 98 1/4	96	
Carborundum, pf. 115 1/4	116		Procter & Gamble, 124	128	
Casein Co. 60	65		Procter & Gam., pf. 102	106	
Celluloid 80	85		Royal Bak. Po. 125	135	
Celluloid Co., pf. 107	110		Royal Bak. Po., pf. 97	99	
Ches. Mfg. 225	230		Sherwin-Williams 29 1/4		
Ches. Mfg., pf. 111	114		Sherwin-W., pf. 101 1/4		
Com'l Solv. A. 41	43		Stand. Ch. 90	100	
Do B. 37 1/4	38		Swan & Finch 36		
*Corn Products 147 1/4	148		*Tenn. C. & Chem. 9	9 1/4	
*Corn Products, pf. 121 1/4	122		*Tex. Gulf, Sul. 59	59 1/4	
*Davison Chem. 76 1/4	77		Union Carbide	56 1/4	
Dow Chem. non par. 46	47		Union Sulphur	77 1/4	79
Dow Ch., pf. 96			*Un. Drug, 1st pf. 46	48 1/4	
*Du Pont de Nem. 130	131		*Un. Dyewood 38 1/4	46	
*Du P't de Nem. Db. 86 1/4	88		*Un. Dyewood, pf.	93 1/4	
*Eastman Kodak 107 1/4	108 1/4		Un. Gas Imp. 57 1/4	58 1/4	
*Eastman Kodak, pf.	107		Un. Gas Imp., pf.	55 1/4	
*Freepoint Tex. 12	12 1/4		U. S. Gypsum 78		
Freepoint Tex. Sul. pf. 91	93		*U. S. Indus. Al. 67	67 1/4	
Gold Dust, w. 123			*U. S. Indus. Al., pf. 95	97	
*Grasselli 137	138		*Va.-Car. Ch. 89 1/4	89 1/2	
*Grasselli, pf. 102	105		*Va.-Car. Ch., pf.	29	30
			*V. Vivaudou 13	14	

*Listed on New York Stock Exchange

New Incorporations

Chemical Industry

Formontes Laboratory Corp., 263 Monticello ave., Jersey City, N. J., \$75,000. Chemicals.

Hermes Chemical Corp., Dover, Del., \$500,000. U. S. Corp. Co.

General Chemical Co., Shreveport, La., \$60,000. Chemicals.

J. F. Cunningham, H. Clay Brown.

Industrial Alcohol & Chemical Co., Philadelphia, \$100,000, Chemicals, alcohol products. Simon S. Neuman, Harry Publicker, Joseph Egendorf. Representative, Capital Trust Co. of Delaware, Dover, Del.

Damascan Chemical Mfg. Co., New York, 150 shares no par value. Chemicals. G. C. Booth, H. B. Delaney, Jr., J. W. Wiggins. Representative, F. E. Rivers, 366 Broadway.

E. Dash-Z. Chemical Co., Wilmington, Del., \$200,000. Delaware Registration Trust Co.

Quaker Chemical Co., Wilmington, Del., \$50,000. Colonial Charter Co.

Consuming Industries

Bienenfeld Glass Works, Brooklyn, \$75,000. H. L., M., and S. Bienenfeld. Representative, L. C. Wills, 32 Court st.

American Lithographic Varnish Co., Newark, N. J., \$50,000. Varnishes, oils. John DeMauro, Walter L. Roder. Representative, Salvatore DeMauro, 26 Lexington ave.

Portland Pulp & Paper Co., Portland, Ore., \$1,500,000. D. E. Fry, F. D. Thielsen, Roy R. Mills.

Parker Rust-Proof Co., Buffalo, \$18,000. R. C. and G. R. George. Representative, C. A. Hamlin.

Bayer Bros. Leather Co., New York, \$300,000. Manufacture hides, skins, furs. F. Bayer, 561 West 180th st.

Pals Chemical Co., Brooklyn, \$350,000. Make tooth paste. B. L. and M. Palleyesch, P. A. Schuyal. Attorney, D. Belkin, 152 West 42d st., New York.

Palo Co., New York, 300 shares preferred stock, \$100 each; 900 shares common, no par value. Make laboratory supplies. S. Black, W. H. Callahan, R. W. Matthews. Attorneys, Cook, Nathan & Lehman, Trinity Bldg.

Hope Knitting Co., Cohoes, N. Y., \$400,000. Textile manufacturing. J. H. Shine 54 Saratoga ave., North Side.

Hall-Wolfe & Park, New York, \$100,000. Textiles. A. Hall, Oradel, N. J.

Financial Notes

Air Reduction Co. has declared a quarterly \$1 dividend, payable Jan. 15 to stock of record Dec. 31.

McCoy's Laboratories, New York, cod liver oil, has increased its capitalization from \$500,000 to \$5,000,000.

Casein Co. of America has declared an extra dividend of 1 per cent payable Dec. 20 holders of record Dec. 13.

Merck & Co. have declared a quarterly dividend of \$2 a share on the preferred stock, payable Jan. 2 to holders of record Dec. 17.

Merrimac Chemical Co. has declared a quarterly dividend of \$1.25 a share, payable Dec. 31 to stock of record Dec. 15.

Class A stock of Commercial Solvent Corp., New York, amounting to 100 shares was recently sold at auction at 14 Vesey st., New York, for \$40.25 per share.

Grasselli Chemical Co. has declared a quarterly dividend of 2 per cent on the common stock and 1 1/4 per cent on the preferred, both payable Jan. 3 to record Dec. 15.

Shares of Pennsylvania Salt Mfg. Co. rose 2 1/4 points on the Philadelphia Exchange, Dec. 13, owing to reports of an extra dividend payment. The present dividend is 10 per cent. An extra dividend of 2 per cent was paid in the first half of 1923.

United Gas Improvement Co., Philadelphia, has increased the annual dividend on the common stock to \$7 a share against a previous rate of \$6. A quarterly dividend of \$1.75 a share was declared by the directors, payable Jan. 15, to stockholders of record Dec. 31.

The Board of Governors of the New York Stock Exchange recently approved the following listings: William Wrigley, Jr., Co., 1,800,000 shares of \$25 par value capital stock; Congoleum Co., 720,000 shares common stock without par value; and Mathieson Alkali Works, \$2,838,200 7 per cent, cumulative preferred stock.

Stocks recently sold at auction at 14 Vesey st., New York, are as follows: 26 shares Ansco Co., common, \$5.50 share; 22 shares Collene Laboratories, preferred and 145 shares common stock as bonus, \$5 lot; 10 shares Cleroline Chemical Co., \$1 lot; 100 shares National Drug Stores, preferred, \$915 lot; and 250 shares National Drug Stores, common, \$1 share.

A stock dividend of 50 per cent, has been declared on the common stock of Armstrong Cork Co. It is payable Jan. 9, to stockholders of record Dec. 20. In addition the directors declared an extra cash dividend of \$1 a share and the regular quarterly cash dividend of \$1.50 a share on the common stock. Both the cash dividends are payable Jan. 2, to stockholders of record Dec. 20.

Mathieson Alkali Works' financial statement gives the balance sheet on Oct. 31, as follows: Assets: Real estate, plant and equipment after depreciation \$10,108,285, investments \$458,321, inventories \$1,396,348, cash \$245,154, other current assets \$962,808, deferred charges \$296,027; total \$13,466,943. Liabilities: Common stock \$5,885,700, preferred stock \$2,838,200, notes payable \$100,000, accounts payable \$517,609, other current liabilities \$87,143, deferred liabilities \$234,400, reserves for federal taxes and contingencies, etc., \$842,955, surplus \$2,960,936; total \$13,466,943.

The Heavy Chemical Market

Current Spot Quotations of Heavy Chemicals, page 1636

IMPORTED CHEMICALS AT LOWER LEVELS

Prices Weaken Under Slow Demand and Larger Offerings—Arsenic Quiet and Slightly Lower—Prussiates Are Down—Lithopone and Zinc Oxide Reduced—Caustic Potash Lower—Barium Chloride Firm—Permanganate Weak

PRICE CHANGES IN NEW YORK (Stocks in First Hands)

Advanced		Declined	
Potassium carb., calc., 80-85%, ¼c lb.		Potas. Carb., 80-85%, hyd., ¼c lb.	
Arsenic, white, ¼c lb.		Potassium Prussiate, yel., 1c lb.	
Barium Carbonate, Imp., \$3 ton		Sodium Prussiate, Imp., ½c lb.	
Calcium Chloride, Imp., \$1 ton		Zinc Oxide, ¼c lb.	
Lithopone, ¼c lb.		Sodium Acetate, ¼c lb.	
Potash, Caustic, Imp., ¼c lb.			

Trend of the Market

	Today	Last Week	Last Month	Last Year	War Peak	Pre-War
Acetic Acid, Glacial....lb.	\$1.23½	\$1.23½	\$1.23½	\$1.12	\$1.19½	\$0.7
Sulfuric Acid, 66 deg. .ton	15.00	15.00	15.00	14.00	55.00	20.00
Ammonium Sulfate...100 lbs.	2.80	2.80	2.90	3.20	7.50	2.65
Bleaching Powder...100 lbs.	1.25	1.25	1.25	2.00	9.50	1.50
Copper Sulfate ....100 lbs.	4.60	4.60	4.80	6.00	20.00	4.50
Potash Caustic, Imp....lb.	.06¾	.07	.07	.06½	.87	.08
Soda Ash, 58 p.c....100 lbs.	1.94	1.94	1.94	2.00	3.50	.60
Caustic Soda, 76 p.c.100 lbs.	3.66	3.66	3.66	3.70	9.50	1.42
Potassium Bichromate .lb.	.08½	.09¼	.09¼	.10	.65	.06¾
Sodium Prussiate .....lb.	.11¾	.11¾	.11	.10	1.25	.18
Average	2.964	2.964	2.994	3.113	10.79	2.99

As the close of the year approaches, business in industrial chemicals continues to taper off to conform with the general attitude and policy of curtailing purchases at this time of the year. Contract business has been progressing throughout the month for deliveries over the coming year, while withdrawals this month are reported smaller. In alkalis the volume of business for the year, according to leading producers, has been very satisfactory and about ten per cent over the figure of the preceding year, while the outlook for the coming year is reported to be about the same as the present year.

Imported chemicals have been subject to price shading during the last week or two. Supplies appear to be plentiful and holders willing to make concessions in order to move some of their stocks before the close of the year. Demand has been none too good and more or less spotty. Lower prices are noted in prussiates of soda and potash. Caustic potash is lower on spot and afloat. Barium carbonate is easier. Arsenic has been quiet during the week with slightly lower prices on spot. Domestic producers of zinc oxide and lithopone have announced lower prices. Ammonium sulfate continues weak. Sodium nitrate is firm at the recent advance.

Acid, Acetic—Little change in the situation with deliveries proceeding regularly and new demand showing signs of improvement. Makers are holding prices at \$3.38@3.63 for 28 per cent; 56 per cent, \$6.75@7.00; 70 per cent, \$8.38@8.63; glacial, \$12.78@13.53.

Acid, Oxalic—Buying is reported better and prices have been steady with domestic at 12c@12½c lb. as to location. Imported quoted at 11¾c@12c lb. as to seller and quantity.

Acid, Muriatic—Business is routine at the moment. Tanks of 20° quoted at \$1.00@1.10 while carboys are quoted from \$1.30@1.80 as to quantity; 22° at \$1.75@2.25 as to quantity.

Acid, Sulfuric—The outlook for next year is reported good with many of the old contracts renewed. Current

demand is about normal. Prices are steady with 66° in tanks at \$15.00@16.00 ton at works. In drums at \$1.10@1.25; carboys, \$1.25@1.75 as to quantity; 60° acid at \$9.00@10.00 ton. Oleum at \$17.00@18.00 ton in tanks and \$1.25@1.75 in drums for 20 per cent material.

Acetone—Firm at recent levels with supplies light. C.P. quoted at 25c@25½c lb.; methyl acetone, \$1.15@1.20 per gallon; acetone oil, \$1.25@1.30 per gallon.

Alums—Ammonia lump named at \$3.50@3.65 and ground at \$3.56@3.75. Imported potash lump quoted from \$2.85@3.00; ground, 3c@3¼c lb. Domestic at 4¼c@4½c lb. Chrome at 5½c@6c lb.

Ammonium Sulfate—Continues weak with offerings at \$2.70@2.80 at works; single bags named at \$2.80@3.00; f.a.s. in double bags quoted from \$2.85@3.15 as to seller.

Ammonium Chloride—Imported white quoted at 6½c@6¾c lb. and grey at 7½c@8c lb. Domestic material at 7¼c@8c lb. for white, and grey, 8c@8½c lb.

Arsenic—Most of the present interest has been speculative with consumers holding off the market owing to the uncertain future in calcium arsenate. Spot buying is at a standstill with prices at 13½@14c lb. and futures about the same. An order for a million pounds of calcium arsenate has been placed by the State of Georgia and the price is understood to be 11½c lb.

Barium Products—The chloride is firm with imported and domestic being quoted at \$85.00 per ton on spot. Makers quote \$80.00 ton at works. Carbonate is easier with imported around \$70.00@72.00 ton. Domestic is firm at \$70.00 at works. Nitrate at 8½c lb. and hydrate, 5½c@6c lb.

Bleaching Powder—Supplies have been moving quite well, according to makers, and prices are steady at \$1.25. Consumers realize the attractiveness of present prices and advantage of them is being taken in contracts over the coming year. Some improvement is reported from the paper and pulp mills.

Copper Sulfate—Domestic producers are making sales on the basis of \$4.60@4.65 in carlots with smaller quantities up to \$5.00. Demand for Spring shipments is reported good from the agricultural districts. Imported material ranges from 4½c@5c lb. depending upon the country of origin and quantity.

Potash Caustic—Supplies are more plentiful and importers are lower in their quotations. Spot material is offered at 6¼c@7c lb. while material afloat can be bought at 6¼c lb.

Potassium Carbonate—Hydrated, 80-85%, named at 5½c@6c lb. and the calcined at 5¾@6c lb.; 90-95% at 6c@6½c lb. and the 96-98%, 6¼c@6½c lb.

Potassium Prussiate—The yellow is offered at 22c@24c lb. according to seller and quantity. Red has been bought at 45c lb. but generally quoted at 50c@52c lb.

Soda Ash—The volume of business this year exceeded that of last year according to prominent makers, and the outlook for the coming year is encouraging with the number of contracts placed. Prices are firm with makers quoting contracts at \$1.38 for 58 per cent light in bags at works. Dense at \$1.45. Lc/l business is quoted at \$2.04, delivered, in bags and \$2.29 in barrels for five and up.

Soda, Caustic—Deliveries in 1923 have been about ten per cent above those of last year while contract business for next year has been nearly all closed. With the exception of one or two consuming industries consumption has been equal to or greater than last year. Prices are firm with contract business at \$3.10 for solid in carlots of drums at works. Ground and flake at \$3.50. Lc/1 deliveries at \$3.76 for five drums and up.

Sodium Bichromate—Makers are holding prices at 7½¢@7¾¢lb. depending upon the seller. Contract buying has been fair and deliveries along improved lines.

Sodium Prussiate—Yellow is easier in some quarters with sales at 11¢lb. though generally quoted at 11¼¢@12¢lb. for imported. Domestic quoted at 12½¢@13½¢lb.

Sodium Sulfide—Supplies appear plentiful and competition between sellers is keen. Quoted stronger in some quarters but range is from 3¼¢@4¢lb. for solid, 60 per cent, and 4½¢@5¢lb. for the broken. Crystals are named at 2¢@2¾¢lb. as to seller and quantity.

ARSENIC INVESTIGATION PROPOSED

(Special to DRUG & CHEMICAL MARKETS)

Washington, D. C., Dec. 17—Under a resolution introduced by Senator Harris, of Georgia, the United States Geological Survey is directed to make an investigation and report on the arsenic deposits of the United States, furnishing data on the location, amount, availability and accessibility, with a view to determining the amount of arsenic which can be used in the manufacture of white arsenic, the principal ingredient of calcium arsenate, used to fight the cotton boll weevil.

The Standing Committee on Arsenic, under the Department of Agriculture, of which Dr. B. R. Coad, in charge of the Tallulah, La. laboratory studying boll weevil conditions, is chairman, recommends the investigation by the Geological survey. A report of the committee's meeting and findings was presented to the Senate by Senator Harris.

CHEMICAL SUPPLIES WANTED

The Bureau of Supplies and Accounts, Navy Department, Washington, D. C., will take bids for chemical supplies, as follows; Until Dec. 28, for 5,500 lbs. muriatic acid for Brooklyn navy yard; 2,000 lbs. muriatic acid for Mare Island navy yard; 1,650 lbs. sulfuric acid for Norfolk, Va., navy yard; 1,404 lbs. sulfuric acid for Mare Island navy yard; 10,000 lbs. sulfuric acid for Puget Sound navy yard, (Schedule 1659). Until Dec. 28, for 6,500 lbs. rust-preventive compounds, for Mare Island navy yard, (Schedule 1658). Until Jan. 8, for 1,000 qts. fire extinguisher liquid, for San Diego, Cal., navy yard, (Schedule 1673).

KALBFLEISCH ISSUES REFERENCE BOOK

Kalbfleisch Corp. has issued a new chemical reference book giving tables of acid and ammonia solution concentration, atomic weights, temperature corrections and allowances, data on packing chemicals, unloading tanks, cars, and shipping containers. The book has 52 pages, the first 31 of which are given over to a description of the Kalbfleisch line with specifications and consuming industries into which each product goes. In a foreword, the history of the company, dating back to the founding of the business in 1829 by Martin Kalbfleisch, is outlined briefly. The book is bound in leather finished paper.

Charles A. Wagner & Co. will represent Mathieson Alkali Works in the Philadelphia territory beginning the first of January, 1924.

ARSENATE PRICES TOO HIGH, SAYS HARRIS

U. S. Senator From Georgia Claims Calcium Arsenate Prices Have Advanced 100%—Aims to Remove Tariff—Calls for Dept. of Commerce Investigation to Encourage Production

(Special to DRUG & CHEMICAL MARKETS)

Washington, D. C., Dec. 19—That the price of calcium arsenate is too high and that prices have advanced about a hundred per cent during the past year or two, was the statement made by Senator William J. Harris of Georgia to a representative of DRUG & CHEMICAL MARKETS when asked in the lobby of the Senate Chamber to tell what his plans were for legislation affecting calcium arsenate. The Senator also stated that it was the intention of himself and other Southern members of Congress to work for the removal of the tariff on calcium arsenate which is now 25 per cent. He said that he would suggest an investigation by the Department of Commerce, the same as was carried on in dye-stuffs, for the purpose of finding out all available sources of arsenate and arsenic, and encouraging production of both for the purpose of obtaining a large supply of cheap insecticide for the cotton planters' fight against the boll weevil.

When told that Ira Williams of the Georgia State Board of Entomology had stated at the Arsenic Conference in New York on Dec. 7 that the planters would refuse to buy if the calcium arsenate price were not kept down, Senator Harris said that Mr. Williams was right. He added that calcium arsenate was considered the best boll weevil insecticide, but others will be encouraged among the planters if the price is again permitted to go too high this year.

IMPORTED ARSENATE VARIED IN 1923

Stating that imported calcium arsenate from England and Germany varied widely during the year ending June, 1923, the report of the Insecticide and Fungicide Board of the Department of Agriculture, just issued by J. K. Haywood, summarized the situation as follows: "The campaign inaugurated in 1919 and involving the inspection of the domestic supply of calcium arsenate used for cotton-boll weevil control was continued during the fiscal year 1923, and it was found that the composition of this article was growing more constant and satisfactory from the point of view of control and lack of burning qualities. However, enough of the offgrade material continues on the market to demand our attention.

"One of the outstanding new features of our control work during the past year was the investigation of large shipments of calcium arsenate sent in from abroad. Up to the present year no calcium arsenate had been imported, but this year some large shipments came from Germany and England. Investigation showed that some of the shipments were satisfactory, while others consisted of a very poor grade of calcium arsenate that was irregular in composition and contained enough water-soluble arsenic to cause the product to be seriously injurious to cotton. Unsatisfactory shipments of calcium arsenate were, of course, excluded from the country."

DOW OPENS ST. LOUIS OFFICE

The Dow Chemical Co., Midland, Mich., have opened an office in St. Louis in charge of Wilson I. Doan, formerly of the New York sales staff. The St. Louis branch will cover the territory south of Illinois to New Orleans and west of the Ohio River to the Rocky Mountains.

The Intermediate and Dye Market

Current Spot Quotations for Intermediates, see Chemicals, page 1706

BETA NAPHTHOL FIRMLY QUOTED AT 26c

Makers Holding Prices at Recently Established Level—Diethylaniline Stronger — Paranitraniline Being Shaded—Phenol Much Stronger—Pyridine Declines Further—Cresylic Acid Quiet—Benzol Demand Normal—Next Year's Prospects Encouraging

PRICE CHANGES IN NEW YORK (Stocks in First Hands)

Advanced
Anthraquinone, subl., 10c lb.
Declined
Pyridine, 25c gal.

Trend of the Market

	Today	Last Week	Last Month	Last Year	War Peak	Pre-War
Benzene, pure	gal. \$.21	\$.21	\$.22	\$.30	\$1.10	\$.25
Naphthalene flake	lb. .06½	.06½	.06½	.06	.16	.03
Phenol, Spot	lb. .36	.36	.36	.35	1.50	.08
Toluene	gal. .23	.23	.24	.30	..	..
Aniline Oil	lb. .16	.16	.16	.16	1.40	.10½
Alpha-naphthylamine	lb. .35	.31	.35	.28	1.28	..
Benzaldehyde	lb. .75	.75	.75	.55	..	..
Betanaphthol	lb. .26	.26	.26	.24	1.30	.08
Dimethylaniline	lb. .39	.39	.40	.39	1.30	..
Paranitraniline	lb. .73	.73	.74	.73	1.58	.18
Average .....	.340	.340	.344	.336	..	..

Business in coal-tar crudes and intermediates has shown little change during the week, and no important developments are expected to take place until after the turn of the year. The annual inventory period usually slows up buying, somewhat, but this month is reported unusually quiet, especially in intermediates. Factors are fairly optimistic about business after the new year gets under way. At present many of the dye consuming mills are operating under curtailed production or on light weight materials which do not require a large quantity of dyes. When these are completed heavier materials, which consume larger quantities of colors, will be in order.

Makers are holding prices steady as a rule and changes in the general list of coal-tar crudes and intermediates have been few. Makers of beta-naphthol are holding firm at the recently established price level. Diethylaniline is stronger, due to the recent advances in alcohol. Anthraquinone is quoted at higher prices. Phenol is stronger, though makers are unchanged in their prices. Cresylic acid is quiet. Benzol is moving normally for the season. Pyridine is easier owing to increased supplies.

Coal-Tar Crudes

Benzene—Little change is reported in the situation with demand steady and about normal for the time of the year. Current business has been good while contract business has showed signs of diminishing. Production is proceeding steadily and supplies are ample for the demand. Prices are holding at recent levels with pure benzene named at 21c@22c in tanks and 26c@27c in drums; ninety per cent benzene in tanks would probably find these quotations shaded slightly.

Cresylic Acid—Demand appears to be somewhat seasonal with buying quiet and routine. Supplies are adequate and are quoted at a range according to seller and quantity. Pale, 97-99%, material is quoted from 75c@85c per gallon; 95-97% material named at 75c per gallon. Crude material held at 60c@70c. Imports at New York last week included 50 drums cresylic acid.

Naphthalene—Producers are busy on contract orders while dealers have not yet become active in trading. Flake is quoted from 6½c@7½clb. according to seller and balls 7½c@8½clb. Dyestuff naphthalene is quiet and generally quoted at 5½c@6clb. Crude named at 2½c lb. Imports at New York last week were 1,044 bags crude.

Naphtha, Solvent—Producers are quoting prices at 23c@28c per gallon as to quantity in tanks and drums.

Phenol—Inquiries in the market have found this material stronger though makers are still quoting 26clb. In the open market little appears to be available and quotations up to 28clb. have been heard. No large supply exists and one maker reports a sold up condition at present.

Pyridine—Supplies have become more plentiful and the market is easier with spot material named at \$4.00 per gallon and shipment prices quoted at \$3.50 per gallon. Twelve drums and four barrels were entered at New York last week.

Toluene—No change in the situation with supplies moving regularly and prices holding at 23c@24c in tanks and 28c@29c in drums.

Xylene—Occasional sales are reported in the various grades; 3° quoted from 40c@45c per gallon; 5°, at 35c@40c gal.; 10°, at 30c@35c gal.; commercial, 28c@33c gal.

Intermediates

Acid, Anthranilic—Routine demand with technical holding at 96clb. and refined at \$1.20lb.

Acid, Benzoic—Technical quoted from 70c@75clb. as to quantity.

Acid, Cleve's—Makers quoting \$1.00@\$1.10 according to quantity.

Acid, Gamma—Quiet with makers holding at \$1.65@ \$1.70lb.

Acid, H—Fair demand reported for the season of the year with prices unchanged at 72c@80clb. according to quantity and seller.

Acid, Naphthionic—Quoted at 62c@65clb. on routine demand.

Acid, Neville & Winther's—Holding at \$1.10lb. in makers' hands.

Acid, Salicylic—Technical in occasional demand at 32c@33clb.

Acid, Sulfanilic—Holding at 17c@20clb. as to seller and quantity.

Alpha-naphthylamine—Unchanged with makers quoting 35c@37clb. depending upon quantity.

Aniline Oil—No important developments and prices holding at 16c@17clb. according to quantity in makers' hands. Aniline salt steady at 23c@24clb.

Anthraquinone—Sublimed is stronger with prices up to \$1.00@\$1.10lb.

Benzaldehyde—Technical is steady at 75c@80clb. on quiet demand.

Benidine—Quoted at a range from 80c@84clb. according to seller and quantity.

Beta-naphthol—Makers are firm at 26clb. for less than carlot quantities and 1c less in carlots. A few resale lots are still available slightly under makers' prices.

Diethylaniline—Has become a little stronger with makers quoting 45c@55clb. as to quantity.

Dimethylaniline—Makers are unchanged for the usual quantities at 39c@40clb. Demand is reported routine at present.

Diphenylamine—Quoted at 48c@50clb. in maker's hands.

Meta-phenylenediamine—Makers unchanged at 95c@98clb.

Meta-toluylenediamine—Steady at 89c@90clb. in a quiet market.

Ortho-toluidine—Named at 13c@15clb. as to seller and quantity.

Para-nitraniline—Being quoted at 70c@73clb. as to seller.

Para-toluidine—Holding at 85c@90clb. on routine demand.

Lincoln Piece Dye Works, Paterson, N. J., silk dyeing, has been incorporated with a capital of \$100,000. John H. Reynolds, Paterson, made application for charter.

A judgment for \$2,261.33 against Smith Chemical & Color Co., Inc., has been filed in New York county by A. J. Nemoytin.

SYNTHETIC ORGANIC CHEMICAL MFRS.

(Concluded from Page 1676)

In his Annual Report to the Association, Dr. Chas. H. Herty spoke of the increasing cordiality of the relations of the Association to the various Government departments. Where under the old embargo the administrative departments of the Government had been prone to give the benefit of the doubt to the importer, they now are inclined to favor the American manufacturer, he said. He gave it as his opinion that during the next session of Congress there would be no tinkering with the tariff, and declared that the tariff in its present state is protecting the American chemical industry.

A letter from Elon H. Hooker, president, Manufacturing Chemists' Association, was read. He said in part: "While vast wealth is being siphoned out of Germany 'spurlos versenkt' to give background to the impudent sophistry that Germany cannot pay, they have been placing their chemical industry and general manufacturing plants in an impregnable position for world trade by new construction planned for minimum operating expense and paid for by the German people, without cost to the companies, through the fall of the mark. Should they be allowed to win the peace through the escape of reparations they will have built up a menace to our industrial welfare in England, France and the United States, which is not commonly realized."

Officers were elected as follows: President, Dr. Chas. H. Herty; treasurer, Dr. F. P. Summers; Board of Governors, Chas. H. Herty, ex-officio.

Dyestuffs Section: August Merz, vice president, F. P. Summers, C. N. Turner, G. H. Whaley, A. J. Farmer.

Crudes and Intermediates Section: S. W. Wilder, vice president, W. F. Harrington, W. S. Weeks, R. N. Wallach.

Fine Organic and Medicinal Chemicals Section: G. F. Richmond, vice president, A. S. Burdick, R. E. Dorland.

Special Chemicals Section: P. S. Rigney, vice president, G. H. Roll.

NORWEGIAN NITROGEN ASKS MANDAMUS

Requests That Tariff Commission Allow Inspection of American Company's Nitrite Petition

(Special to DRUG & CHEMICAL MARKETS)

Washington, D. C., Dec. 19.—Norwegian Nitrogen Products Co., New York, has filed a petition in the Supreme Court of the District of Columbia to compel the U. S. Tariff Commission to throw open to inspection the application filed with it by the American Nitrogen Products Co., Seattle, for an increase in the duty on imported sodium nitrite. Chief Justice McCoy issued an order directing the commission to appear and show cause on Jan. 4. The decision in the case is expected to pass on the constitutionality of the flexible provisions of the law, which are brought before a court for the first time.

The petition for mandamus alleges that, despite the rules of the Commission permitting interested parties to examine the record in cases before it except such parts as relate to trade secrets, Norwegian Nitrogen Products Co. was denied the right to examine the petition of American Nitrogen Products Co., which sought to have the duty on sodium nitrite increased from the present rate of 3c a pound to 4½c a pound.

The court is asked to compel the commission to show cause why Norwegian Products Co. should not be permitted to examine the petition of American Products Co., and why a public hearing should not be held by the Commission at which interested parties would be permitted to cross-examine investigators, experts, agents and other witnesses who may have supplied data to the Commission in the course of its sodium nitrite investigation.

The proceeding before the District Court, according to Marion de Vries, counsel for Norwegian Products Company, represents for judicial determination two important questions relating to the flexible tariff. The first is the constitutionality of those provisions, he declared. The second point is as to the right of interested parties to inspect all data presented by a petitioner or collected by the Tariff Commission, and the right of interested parties appearing in the case to be heard and to offer evidence in controversion.

SPRING COLOR CARD IS OUT

Light tans and browns predominate in the Spring color card of the Textile Color Card Association of the United States. The new card contains eighty-eight colors, including imperial yellow, jade greens, antique lacquer and blues of the Ming and Ch'ing dynasties. There are also the primitive Indian colors, particularly soft gold, rose browns and yellow tans, and nineteenth century French colors, notably the blues and mauves. Twelve sport shades are grouped under a special heading and in these, besides the tans and browns, the greens, blues and yellows stand out. Yu Chi and apple green are two of the leaders. Grapefruit is a new shade of yellow, slightly greenish in cast. Chinese red is one of the unusual shades.

Fourteen colors for woollens are depicted, with the light tans played up strongly. The distinctly new shades are stucco, copra and chicle, all of a somewhat sandy hue. An almond green is named pitchpine, while ambrosia is a rosewood. The sports list includes new grays, greens, blues and yellows.

For shoe leather and hosiery, the importance and popularity of tans and browns are also stressed. Featured are those known as airedale, racquet, tanbark, Bombay and Piccadilly. Oriental pearl and jack rabbit are the grays. Log cabin, Mandalay and otter are repeated.

The Oil Market

Current Spot Quotations of Oils, Tallow, Greases, page 1721

CHINAWOOD OIL SHIPMENTS HIGHER

New Crop Supplies Uncertain—Linseed Oil Futures in Demand—Cottonseed Oil Easier—Olive Oil Foots Higher—Corn Oil Easier—Tallow Softens—Menhaden Oil Scarce—Cod Oil Steady—Turpentine Firmer—Rosins Advance

PRICE CHANGES IN NEW YORK (Stocks in First Hands)

Advanced	
Chinawood Oil, shpmt., 3/4 lb.	Olive Oil Foots, spot, 3/4 lb.
Linseed Oil, Dec.-Feb., 1c gal.	Olive Oil Foots, shpmt., 3/4 lb.
May, Aug., 1c gal.	Rapeseed Oil, 1c gal.
Oleo Oil, No. 1, 3/4 lb.	Tallow Oil, 1/2 lb.
	Rosins, 5c@30c unit
Declined	
Corn Oil, crude, 3/4 lb.	Lard Oil, prime, extra, 3/4 lb.

Trend of the Market

	Today	Last Week	Last Month	Last Year	War Peak	Pre-War
Cod Oil, N. F.....gal.	\$.67	\$.67	\$.68	\$.61	\$ 1.26	\$.36 1/2
Degras, American, bbl..lb.	.04 1/4	.04 1/4	.04 1/4	.04 1/4	.25	.03 1/4
Lard, No. 1.....gal.	.79	.79	.79	.79	2.90	.92
Menhaden, crd., bbls..gal.	.50	.50	.50	.48	1.20	.33
Neatsfoot, 20 deg. c.t..gal.	1.33	1.33	1.24	1.35	3.45	.95
Red Oil, distilled.....lb.	.08 1/2	.08 1/2	.09 1/2	.10	.17	.07
Stearic Acid, T.P.....lb.	.13	.13	.14 1/4	.12 1/2	.33	.12
Coconut Ceylon, bbls..lb.	.10	.10	.10	.08 1/2	.90	.14
Cottonseed, crude, tks..lb.	.09 1/4	.09 1/4	.10	.08 1/2	.25	.08
Linseed, carlots.....gal.	.92	.92	.90	.87	1.88	.57
Olive, denatured.....gal.	1.10	1.10	1.10	1.15	4.50	1.05
Peanut, refined.....lb.	.16	.16	.16	.12 1/2	.30	.08
Soya Bean, bbls.....lb.	.11	.11	.11	.12 1/2	.19 1/4	.07
Average	0.462	0.462	0.455	0.455	1.30	0.362

Firmness in the spot market and strength in future shipments are noticeable features in the market in vegetable, animal and fish oils. Spot buying has been confined to small amounts for immediate consumption, partly due to the nearness of inventory time and partly to the conservative policy of consumers. Holdings for prompt delivery are small as a rule and sellers have not been yielding from their firm positions. In many cases supplies in the primary market are reported light this year, and some shipment quotations are higher than present spot prices.

Chinawood oil is stronger for shipment owing to the uncertainty of the new crop which will soon begin to move. Olive oil is higher for shipment. Linseed oil has been selling well for future delivery and some crushers are higher for their later shipments. Spot buying however, is quiet. Cottonseed oil has been irregular with a net change downward. Crude cottonseed oil is lower. Soya bean oil is unchanged though in small supply. Palm oil is quiet. Tallow has softened. Red oil and stearic acid have been easier. Oleo oil is higher. Lard oil is down. Refined menhaden oil is moving well. Crude is scarce and nominal. Cod oil is unchanged. Turpentine has stiffened though quotably unchanged. Rosins have advanced.

Vegetable Oils

Castor Oil—Crushers are holding at recent levels with No. 1 at 14 1/2 c. and No. 3, 14 c.

Chinawood Oil—Buying is reported fairly active at recent prices for spot and shipment from the Coast. Spot named at 21 1/4 c@21 1/2 c. and Coast, 20 c@20 1/4 c. tanks. Shipments from China are stronger with quotations at 21 3/4 c@22 c. The old crop is well out and the new crop is uncertain at this time.

Coconut Oil—Is holding steady at the recent quotations with demand quiet. Ceylon in tanks selling at

8 3/4 c@8 7/8 c. on spot; Cochin, 9 1/2 c@9 5/8 c.; Manila at Coast, 8 1/2 c@8 3/4 c. Imports at New York last week were nearly 1,700 tons. Domestic imports for first ten months of 1923 were 146,907,445 pounds against 181,565,665 pounds for the same period last year.

Corn Oil—Cash corn is easier and corn oil is slightly lower in some quarters though generally quoted at 9 5/8 c@10 c. for crude at mills. Refined oil is steady at 13 c@13 1/4 c.

Cottonseed Oil—Trading has been fairly active but changes have been confined to narrow limits with a net decline of a few points in P.S.Y. during the week. Futures opened this week at 10.70@11.00 for Dec. to 11.95@12.00 for July. Crude oil is easier with Texas at 9 1/4 c. and Valley, 9 1/2 c. Refined winter yellow named at 13 1/2 c.

Linseed Oil—Buying for future delivery is reported active but spot business continues quiet. Spot prices eased a little during the week but recovered quickly to present levels. Spot carlots named at 92 c and smaller quantities at 95 c. Dec., Feb., holding at 91 c@92 c; Mar., Apr., higher at 92 c; May, Aug., 85 c. London linseed oil higher at 43/3. Antwerp, higher, 397 f. Flaxseed in the Northwest is slightly lower with Winnipeg opening the week with Dec., \$1.98 1/2; May, \$2.06; July, \$2.06 1/4. Duluth, Dec., \$2.44 1/2; Jan., \$2.44 5/8; Feb., \$2.45 1/2; May, \$2.39 3/4. Buenos Aires, higher at \$2.00.

Olive Oil—Foots are very strong with spot holders quoting 8 3/4 c@9 c. while shipment prices for the new crop at 8 7/8 c@9 c. Denatured remained steady at \$1.10@1.15 and edible at \$1.70@2.20 per gal.

Palm Oil—Has been inactive and prices were slightly easier though named at 7 c@7 1/8 c. for Niger and 7 3/4 c@8 c. for Lagos.

Perilla Oil—Generally quoted at 14 1/2 c. with demand somewhat routine.

Peanut Oil—Wholly nominal with crude not being quoted and refined around 16 c.

Rapeseed Oil—Sellers higher at 78 c@79 c. for refined.

Soya Bean Oil—Supplies continue light and sales are occasionally passing at 9 3/4 c. at Coast. Spot at 10 1/4 c@11 c.

Animal Oils

Greases—Holding at 6 1/4 c@6 3/4 c. for yellow; brown, 6 c@6 1/4 c.; house, 6 3/4 c.

Lard Oil—Off prime is lower at 13 1/4 c. and extra down to 12 1/4 c. Edible prime, 15 3/4 c.; extra No. 1, 10 3/4 c.; No. 1, 10 1/4 c.

Oleo Oil—No. 1 is higher at 16 c. and No. 2 and No. 3 unchanged at 11 1/2 c. and 10 1/4 c.

Neatsfoot Oil—Holding steady at 17 1/2 c. for the 20° and 14 3/4 c. for pure; extra, 10 3/4 c.

Red Oil—Producers continue to quote saponified and distilled at 8 1/2 c. in barrels and 7 3/4 c. in tanks.

Stearic Acid—Unchanged at 12 c@12 1/2 c. for double pressed and 13 c@13 1/2 c. for triple pressed.

Tallow—Easier with sales at 7 3/4 c@8 c.

Tallow Oil—Quoted higher at 11 1/2 c. for acidless in barrels, tanks, 10 c.

Fish Oils

Cod Oil—Prices remained at former levels though buying is reported quiet to steady. Sellers quoting 67c @70clb. Imports at New York last week were 150 casks.

Menhaden Oil—Crude is nominal with a small amount reported at Baltimore at 50c@52c gallon. Further South some material is coming in in Florida. Refined is firm at 67c@70c gal.; yellow bleached, 70c@73c; extra bleached, 72c@75c.

Sperm Oil—Routine demand with supplies holding at 94c gal. for 38° and 89c for the 45°.

Naval Stores

Turpentine—Indications are that the market is a little stiffer though still quoted at 94c for spirits ex-yard. Steam distilled, 84c; destructive, 68c.

Rosins—Prices advanced during the week and are firm at present quotations. B, \$5.65; D to G, \$5.70; H, I, \$5.75; K, \$5.80; M, \$6.00; N, \$6.25; WG, \$6.75; WW, \$7.00.

An increase of two per cent in exports of naval stores, gums and resins for October, 1923, is reported by the Bureau of Foreign and Domestic Commerce. Rosin exports were valued at \$774,128 (88,131 barrels), with England taking approximately one-half, and Germany, one-fifth. During October, 1923, spirits of turpentine recorded an increase in quantities shipped, but a decrease in values. The United Kingdom took 80 per cent of the total of \$1,299,991 (1,332,746 gallons) that was sent to foreign countries.

World flaxseed production in 1923, according to the International Institute of Agriculture at Rome, amounts to 3.2 million metric tons, and indicates an increase of 55 per cent over the 1922 yield. The Argentine yield is figured at 1.9 million metric tons, or 0.8 million metric tons greater than last year's yield which was a good one.

James H. Waterbury, manager, Pratt & Lambert, Inc., Buffalo, N. Y., died Dec. 8 at Buffalo. He was born in Brooklyn, N. Y., Jan. 1, 1881, and has been with Pratt & Lambert for the past twenty-five years being originally manager of the New York City branch. He became general manager in 1910.

Experiments by the Florida Experiment Station in co-operation with the U. S. Department of Agriculture in the cultivation of tung trees (Chinawood oil trees) warrant the belief that the tree can be successfully cultivated in Florida.

Exports of wood oil from Shanghai to United States for first nine months of 1923 were 2,473 gallons, valued at \$25,030, compared with 26,098 gallons, valued at \$206,162, for a like period in 1922.

Certain-teed Products Corp. declared regular quarterly dividends of 1¼ per cent on the first and second preferred stocks payable Jan. 1 to stock of record Dec. 18.

James Byrnes, of Rogers-Pyatt Shellac Co., New York, is on a two-weeks business trip to Chicago and surrounding territory.

Alexander Goulard, formerly of W. R. Grace & Co., New York, is now salesmanager for John Lucas & Co., Philadelphia.

George B. Dodge, president, Egyptian Chemical Co., Boston, died Dec. at his Cambridge home at the age of 79.

\$200,000,000 COTTON WEEVIL TOLL

Each year, the boll weevil destroys \$200,000,000 worth of cotton lint and seed, besides millions of other losses entailed as a result of shutting down ginning and oil mills, according to "Textiles." The insect pest came from Mexico, crossing the border near Brownsville, Texas, along in 1892 and spread to the whole cotton belt in a short time. Since it began its depredations in the United States, four to five billion dollars worth of cotton has been destroyed. The insect has brought to the chemical industry about \$6,000,000 worth of business per year in calcium arsenate, and similar insecticides. Although many read much of the weevil, there are few who are well enough acquainted to recognize the photograph of King Cotton's arch-enemy.



CHEMISTS SEEK BOLL WEEVIL SECRETS

(Special to DRUG & CHEMICAL MARKETS)

Washington, D. C., Dec. 19.—Basic research work in agricultural chemistry has been directed during the year by the Bureau of Chemistry to a study of the odorous principles of the cotton plant, which are presumed to attract the boll weevil, and to other studies on proteins, citrus fruits, cassina, tanning and leather, waterproofing, mildewproofing and fireproofing of fabrics, production of gas from straw and on methods of analysis of agricultural products, according to the annual report of the Bureau.

Armour & Co., have purchased New Jersey soap plant of B. T. Babbitt Co., which will afford better facilities for eastern and foreign distribution. Officials would not state the price paid to J. Mendelsohn, who has operated plant for several years since he purchased it from Babbitt Co. B. T. Babbitt Co. will retain the Albany factory and continue production of cleanser and lye.

Charles W. Erskine, for fifteen years treasurer of Rogers-Pyatt Shellac Co., New York, died Dec. 12 at his home, 155 Riverside Drive. He was formerly associated with John Erskine Silk Co. He was sixty-four years of age and leaves a wife, four children, one son and three daughters, and a brother.

Eagle-Picher Lead Co., which has been holding a convention of salesmen, commemorating the eighteenth anniversary of the company, recently took the convening managers on a tour of inspection of the plants of the company at Joplin, Mo. and East St. Louis, Ill., and the mines at Galena, Kas.

The Linseed Association met on Dec 12 at the Downtown Club, 60 Pine st., New York, and discussed a bill to be introduced in Congress, calling for an additional 20c a bushel tax on imported flaxseed and on oil from Europe.

The linseed oil hearing before the Tariff Commission will be held Feb. 5 in Washington. This is in response to a petition from importers for a reduction in duty under the Fordney Tariff Act.

John Murray, formerly of Southern Cotton Oil Co., and recently of Sterne & Son Co., New York, is now manager of the vegetable oil department of Henry Hentz & Co., New York.

The Fine Chemical Market

Current Spot Quotations of Fine Chemicals, page 1700

POTASH PERMANGANATE EASY ON SPOT

Quoted at 15½¢ to 17¢ lb. as to Seller—Menthol Lower
—Santonin Firm—Salicylates Active—Fusel Oil
Scarce—Hydroquinone Firm—Competition Keen in
Imported Citric and Tartaric

PRICE CHANGES IN NEW YORK (Stocks in First Hands)

Advanced	
Ethyl Acetate, c/l, 10c gal.	
Declined	
Acid, Citric, Imp., ½c lb.	Camphor, Jap. Slabs, ½c lb.
Acid, Tartaric, Imp., ½c lb.	Cresol, U.S.P., 1c lb.
Bismuth, Metal, 30c lb.	Menthol, \$1.00 lb.
Potash Permang., Dom., ½c lb.	

Trend of the Market

	Today	Last Week	Last Month	Last Year	War Peak	Pre-War
Acetanilid	\$32	\$32	\$32	\$35	\$2.00	\$2.20
Acid Citric, Import .....	.47	.47½	.48	.48	1.25	.45
Caffeine Alkaloid	4.00	4.00	4.00	3.75	18.00	3.65
Calomel, American	1.25	1.25	1.25	1.25	3.43	.90
Camphor, Jap., ref. ....	.86	.86½	.86½	.93	3.55	.41
Iodine, Resublimed .....	.455	.455	.455	.450	5.00	3.75
Menthol	11.00	12.00	15.50	10.00	13.50	3.00
Potassium Bromide, Cryst. ....	.26	.26	.26	.26	4.30	.80
Quinine Sulfate, Imp. ....	.50	.50	.50	.50	.90	.25
Sodium Salicylate .....	.40	.40	.40	.47	4.25	.27
Strychnine Sulfate .....	.68	.68	.68	.84	2.05	.50
Average	2.46	2.55	2.87	2.07	5.92	1.56

Prices are firm in spite of the small amount of buying that is going on at the moment. As far as American manufacturers are concerned, no changes of importance have been made, quotations being steadily maintained at former levels. After the first of the year the trade expects buying to show a steady increase. Reduced stocks in consuming quarters, high replacement costs from abroad, and reduction of supplies in resale hands are a foundation for the return, to stability. No radical upward or downward movements were in evidence during the week and the situation is quiet.

Potassium permanganate is easy on spot although one of the largest holders offers at 17¢ lb. Menthol has declined again, and in several quarters a further easing of the market is expected owing to small demand. Santonin is firm with tendency to scarcity. The recent advance in phenol will have some effect on salicylates, according to one factor in the trade. Supplies of fusel oil are closely held and best price for refined is \$5.50 gal., if procurable. Imported citric and tartaric acids are active for future delivery.

Acetanilid—Makers quote 32¢@33¢ lb. spot, and resale quarters 29½¢ lb.

Acid, Acetylsalicylic—Held firm at 75¢@85¢ lb. spot by makers, and 72½¢@75¢ lb. from resale quarters. Demand reported active at the moment.

Acid, Citric—Imported quoted lower at 47¢@48¢ lb. spot with some distressed lots available at slightly lower quotations. Imports during ten months ended Oct. 31 were 775,122 pounds, valued at \$237,240, and for October, 83,075 pounds, valued at \$23,763. Domestic named at 48¢@49¢ lb. as to quantity.

Acid, Formic—Quoted at 12½¢@13¢ lb. spot for 90 per cent. During past ten months ended October 1,067,800 pounds, valued at \$78,038, were imported.

Acid, Salicylic—Makers quote 35¢ lb. spot, and second hands name 34¢ lb. for U.S.P. material. Higher prices are probable after the turn of the year, according to several factors.

Acid, Tartaric—Imported lower at 28¢@29¢ lb. spot as to seller and quantity with some quarters shading these figures on firm business. Imports last week at New York were 20 barrels. During past ten months ended October 31 imports were noted at 1,998,137 pounds, valued at \$499,163. Sales from one quarter during past two months should have been reported last week at 150 tons, instead of 400 tons.

Alcohol—The recent cold snap has caused this item to be in active demand from automobile owners and makers report a sold up position for some time to come. No. 1 specially denatured quoted at 48¢@50¢ gal. in drums, and No. 5 completely denatured at 47¢@49¢ gal. spot.

Aloin—Steady 90¢@95¢ lb. spot.

Amidopyrine—Quoted at \$4.60@\$5.00 lb. spot with one house inside at \$4.90 lb., and furthermore they report that sales are being made at this price. Replacement cost about same as spot.

Antimony—Powdered needles quoted higher at 8¢@9½¢ lb. spot.

Antipyrine—Quoted on spot at \$2.35@\$2.50 lb. as to seller and quantity with one house inside at the maximum and making sales thereat.

Bismuth Metal—Lower at \$2.50@\$2.60 lb. owing to easier exchange rates in London. Subnitrate quoted at \$2.90 lb. spot by makers, and resales at \$2.80 lb.

Camphor—Japanese slabs lower at 86¢@87¢ lb. spot, and December and January shipment named at 77½¢ lb. c.i.f. New York. Demand small and routine.

Cod Liver Oil—Spot quoted at \$24.00@\$25.00 bbl. for Norwegian. Supplies ample for all requirements.

Cream Tartar—Imported quoted at 23½¢@24¢ lb. spot, and domestic at 25½¢ lb. During past week 40 barrels were imported at New York.

Cresol—U.S.P. quoted lower at 24¢@29¢ lb. spot in drums.

Ethyl Acetate—Quoted higher at \$1.13 gal. for 85-90 per cent ester in drums; \$1.10 gal. c/l; and \$1.05 gal. in tanks. Refined at \$1.87@\$2.00 gal. in drums.

Formaldehyde—Makers lower at 10¾¢ lb. for c/l works with possibility of shading these figures on a firm order. Carboys at 11¾¢@12½¢ lb.

Fusel Oil—Refined quoted at \$5.50@\$6.00 gal., if procurable. "Goods to arrive" are offered at \$5.40 lb. laid down in New York. Crude named at \$4.30 lb.

Glycerin—C.P. named at 16½¢@17¢ lb. spot in drums, and dynamite at 15½¢@16¢ lb. Market reported dull at the moment.

Hexamethylene—Imported named at 68¢@70¢ lb. spot, and domestic at 75¢@77½¢ lb.

Hydroquinone—Firm at \$1.40@\$1.50 lb. spot as to quantity.

Menthol—Lower at \$11.00@\$11.50 lb. spot as to quantity, and prompt shipment named at \$9.65 lb. c.i.f. New York. Some factors think that there will be a "pinch" before Spring. During past week 45 cases were entered at New York.

Mercury—Quoted at \$60.50@\$61.00 flask spot with replacements named about equal to these quotations. Last week saw 425 flasks imported at New York.

Podophyllin—Makers quote \$6.00@\$.6.25lb. spot, and resales named at \$.55@\$.5.75lb.

Potassium Permanganate—Domestic quoted lower at 15½¢@16¢lb. works in order to meet competition from imported material. Imported named at 15½¢@17¢lb. as to seller with possibility of doing 15¢lb. from some directions. Reports are heard that the recent importation of 100 tons has now been entered and duty paid.

Saccharin—Quoted at \$1.90@\$.2.10lb. as to quantity.

Santonin—Firm and active at \$150@\$.155lb. spot with supplies limited.

Sulfonethylmethane—U.S.P. goods quoted easy at \$3.50@\$.3.70lb. as to quantity.

Sulfonmethane—Named at \$2.40@\$.2.60lb. spot for U. S.P. material.

REVOLUTION DELAYS MEXICAN EXPORTS

(Special Correspondence to DRUG & CHEMICAL MARKETS)

Vera Cruz, Mexico, Dec. 8.—The revolution will prevent export shipments of zacatone root, sarsaparilla and jalap root from this port, for at least a month, because miles of railroad track have been torn up to prevent the advance of Gen. Obregon's troops. Vanilla shipments will not be affected as the beans come to Vera Cruz in coastwise boats from the vanilla districts. The Misantla district is the only one that will be unable to ship vanilla, until traffic is resumed. Vera Cruz is quiet. The Custom house was taken over and De la Huerta adherents appointed to replace the Obregon employees. Only small stocks of Mexican products are in the warehouses for exportation, due to the strike of the past two weeks against the Terminal Railroad.

Only ships docking at the Fiscal pier can take cargo, as the Terminal docks are closed by order of the President. There are about 400 tons of mixed cargo here for New York consisting of jalap root, sarsaparilla root, quicksilver, vanilla, coffee and sugar. Rebel forces are attacking the city of Jalapa and are expected to be in possession of that place to-day (Dec. 8).

WATER POLLUTION REMEDY TESTED

The laboratory of Seydel Manufacturing Co., Jersey City, was the scene of tests of a colloidal coagulant discovered by H. M. Spencer, research chemist of Cornell University and chemist to the Seydel company, which he has named "Coagol" and which will, it is contended, revolutionize the treatment of waste waters from the industries and methods of purifying potable waters. In coagol is said to lie the solution of the problem of ocean water pollution from oil-burning and oil-carrying steamers, and the sludge from silk mills, textile plants and chemical factories. Experiments were made with emulsions of silk waste, and discharges from paper mills. Samples of polluting matter from all these sources industries were treated with coagol and rendered crystal clear by filtration after such treatment.

MALLINCKRODT HOLDS ANNUAL DINNER

Mallinckrodt Chemical Works held the annual dinner at the Missouri Athletic Association Club in St. Louis, Thursday evening Dec. 13. About 125 guests attended, including A. W. Wasserscheid, manager of the New York house; Messrs. Pierson and Murray from the Canadian office; Mr. Fuchs from the Jersey City plant; Geo. Applin of Philadelphia; Euclid Snow, of Chicago, and others. Addresses were made by Edward Mallinckrodt, O. L. Biebing, and A. W. Wasserscheid. A feature of the entertainment was the exhibition of moving pictures taken by Edward Mallinckrodt, Jr., during his recent visit to British East Africa.

INDUSTRIAL ALCOHOL HEAD ASKED BY NATIONAL DRUG TRADE CONFERENCE

Samuel C. Henry Re-elected President for 1924—Food and Drug Advisory Committee Called for—Favor Kelly and Merritt Bills

(Special to DRUG & CHEMICAL MARKETS)

Washington, D. C., Dec. 19.—An industrial alcohol commissioner, distinct and separate from the Prohibition Commissioner and of equal rank, was called for in a resolution passed by the National Drug Trade Conference at its annual meeting. An advisory committee to act with the Bureau of Chemistry on interpretation of the Food and Drugs Act, was also covered in a resolution. Price maintenance legislation, such as the Kelly-Stephens and Merritt bills, was also urged and a committee to help their passage asked for. Other suggestions embodied in resolutions included the creation of a separate narcotic unit of the Bureau of Internal Revenue, indorsement of the Mellon tax plan, and the creation of a committee on alcohol legislation.

Samuel C. Henry was re-elected president for 1924. H. C. Christensen was elected vice-president, and Carson P. Frailey, secretary-treasurer. Members of the executive committee include President Henry, Carson P. Frailey, C. Mahlon Kline, H. B. Thompson, Harry Noonan, L. S. Hilton, W. T. Kerfoot, and E. F. Kelly. The various member associations were represented as follows: American Pharmaceutical Assn., A. R. L. Dohme, J. H. Beal and S. L. Hilton; National Wholesale Druggists Assn., C. Mahlon Kline, C. W. Whittlesey and W. L. Crounse; American Pharmaceutical Manufacturers' Assn., J. H. Foy, Carroll Dunham Smith and Harry Noonan; Proprietary Assn., Harry B. Thompson, F. I. Heuisler and E. F. Kemp; National Assn. of Boards of Pharmacy, H. C. Christensen and W. T. Kerfoot, Jr.; American Conference of Pharmaceutical Faculties, E. F. Kelly, E. Fullerton Cook and W. F. Rudd; American Drug Manufacturers' Assn., A. Homer Smith, Horace W. Bigelow and Carson P. Frailey; National Assn. of Retail Druggists, Samuel C. Henry, Ambrose Hunsberger and J. F. Finneran.

A.P.H.A. APPOINTS COMMITTEES

(Special to DRUG & CHEMICAL MARKETS)

Washington, D. C., Dec. 19.—A meeting of the Board of Directors of the American Pharmaceutical Association was held at the Hotel Washington, on Friday, Dec. 7, with the following members present: H. M. Whelpley, G. M. Beringer, J. G. Godding, S. L. Hilton, J. H. Beal, C. H. LaWall, H. V. Arny, E. F. Kelly, W. B. Day, W. L. Scoville and R. P. Fischelis. The following were present by invitation: L. L. Walton, chairman of the House of Delegates, E. G. Eberle, editor of the "Journal," A. G. DuMez, editor of the "Year Book," H. C. Christensen and H. A. B. Dunning.

A set of by-laws to govern transactions of the Board was adopted, providing for three standing committees—Finance, Property and Publication. The offer of the American Druggists' Fire Insurance Co., of a floor in the company's new building in Cincinnati, for headquarters of the Association, was declined, and a committee, with H. A. B. Dunning, chairman, was appointed to raise funds for a building for the Association and affiliated national associations. An appropriation of \$1,000 was voted for bulletins to members. The following committees were named: Committee on Finance, C. H. LaWall, chairman, H. M. Whelpley and E. F. Kelly. Committee on Publication, Robert P. Fischelis, chairman, G. M. Beringer, H. V. Arny and officers mentioned in the by-laws.

The Crude Drug Market

Current Spot Quotations of Crude Drugs, page 1719

BELLADONNA LEAVES HIGHER ON SPOT

Stocks Reduced and Offerings Limited—Japan Wax Higher—Agar Agar Lower—Oregon Fir Balsam Easier—Buchu Leaves Active—Gentian Root and Elm Bark Lower—Cascara Sagrada Firm

PRICE CHANGES IN NEW YORK (Stocks in First Hands)

Advanced	
Belladonna Leaves, 2c lb.	Japan Wax, 1c lb.
Declined	
Agar Agar, No. 1, 7c lb.	Elm Bark, Select, 2c lb.
Aloes, Curacao, 1/4c lb.	Gentian Root, 1/4c lb.
Balsam, Oregon Fir, 35c gal.	Henbane Leaves, 3c lb.
	Spikenard Root, 1c lb.

Trend of the Market

	Today	Last Week	Last Month	Last Year	War Peak	Pre-War
Aconite Root, U.S.P.	\$.50	\$.50	\$.50	\$.35	\$.90	\$.12
Buchu Leaves, Short. ....	.90	.87	.90	1.10	4.00	.85
Cantharides, Russian.	1.25	1.25	1.25	2.40	9.00	2.10
Cocculus Indicus. ....	.03 1/4	.03 1/4	.03 1/4	.03 1/4	.85	.03
Ergot. Spanish. ....	.38	.38	.38	.60	4.50	.54
Insect Powder, pure. ....	.65	.65	.63	.65	1.00	.28
Ipecac, Cartagena, powd.	2.60	2.60	2.60	1.70	4.50	1.85
Nux Vomica. ....	.05	.05	.06	.07	.14 1/2	.07
Opium, gum.	8.00	8.00	8.00	6.75	30.00	5.00
Rhubarb Root, H. D. ....	.34	.34	.37	.45	1.75	.15
Tragacanth, No. 1, ribbon.	1.35	1.35	1.45	1.80	6.00	1.50
Wild Cherry Bk., thin nat. ....	.14	.14	.11	.09	.21	.07
Average	1.35	1.35	1.36	1.33	5.28	1.00

Scarcities in various crude drugs are more numerous and are the only stimuli which drive prices up at this time. The situation is counterbalanced somewhat by the limited amount of buying, which will broaden after the holidays, probably, as stocks in consuming channels are said to be none too plentiful. The continual refusal of dealers here to cover for future needs is now beginning to be felt on spot. However, several lower quotations are noted, and are the result of shading in competition and the apparent willingness of importers to do business on a closer margin. Of course the prominence of the more active items tends to make them stand out and overshadow the weaker elements.

Belladonna leaves have advanced sharply owing to higher replacement costs and active demand on spot. Position is strong. Japan wax is higher due to reduced stocks and scarcity of material in primary market. Agar agar is lower on spot in spite of firmness in Japan. Weak holders of Oregon fir balsam are unloading at prices near to cost. Activity is noted in buchu leaves and some are quoting as high as 95c to \$1.00lb. in bales. Keen competition has resulted in an easier market for gentian root. Cascara sagrada is firm, but quiet.

Aconite Root—Firm at 50c lb. spot with tendency to higher figures owing to scarcity of supplies for shipment.

Agar Agar—No. 1 quoted lower at \$1.58@1.63lb. spot, and No. 3 at \$1.43@1.53lb. Yearly production of the Japanese product is estimated at 2,400,000 pounds, compared with a normal year of 3,000,000 pounds, according to reports.

Aloes—Curacao quoted lower at 10 1/2c@11c lb., although position is still firm due to scarcity. Cape quoted at 9c@10c lb.

Anise Seed—Spanish named at 15 1/2c@16c lb. with some quarters inside at 16c lb. Shipment strong with higher tendencies. Star at 12c@12 1/2c lb.

Balm Gilead Buds—Active and firm at 50c@55c lb. spot as to quantity.

Balsams—Oregon fir lower at \$1.65@1.85lb. spot owing to keen competition and weak holders desiring to unload. As soon as the distressed lots are disposed of, the trade looks for much firmer prices. Tolu quoted firm at \$2.25@2.50lb. spot as to seller and quantity.

Belladonna Leaves—Quoted sharply higher at 21c@22c lb. spot with possibilities of much firmer prices owing to scarcity of goods here and also to limited quantities for shipment. Root named at 12c@13c lb.

Buchu Leaves—Generally quoted at 90c@95c lb. spot for bales, and \$1.00@1.05lb. for less. Last week demand was active and some houses advanced quotations late in the week, naming 95c@1.00lb. inside. Replacements high and little material has been imported during the past three months.

Caraway Seed—Quoted at 25c@26c lb. spot for Dutch goods. African at 24c@25c lb.

Cascara Sagrada—Named firm at 27c@30c lb. for new bark, and 28c@32c lb. spot for old peel. Shipment quoted at 21c@22c lb. f.o.b. Coast. Position strong in spite of quiet market.

Celery Seed—Quoted at 26c@27c lb. spot.

Clover Tops—Strong at 27c@29c lb. spot.

Dandelion Root—Firm and active at 28c@30c lb. spot with possibilities of higher figures owing to scarcity of supplies here as well as for shipment.

Digitalis Leaves—Easy at 7c@8c lb. spot.

Elm Bark—Select lower at 29c@31c lb. spot due to keen competition for available business.

Gentian Root—Lower at 8c@8 1/2c lb. spot. Competition sharp. Supplies ample for all requirements.

Insect Powder—Quoted firm at 65c@67c lb. spot with December shipment named at 49c@52c lb. c.i.f. New York for flowers.

Ipecac Root—Rio quoted nominally at \$2.15@2.25lb. The recent importation of 21 bales were probably "sold to arrive." Cartagena scarce and firm at \$2.15@2.25 lb. spot for whole, and \$2.60@2.70lb. for powdered.

Japan Wax—Quoted higher at 17c@17 1/2c lb. spot owing to reduced stocks and scarcity of supplies for shipment. Higher prices are predicted in the trade. Spot stocks closely held.

Lycopodium—Named at 37c@39c lb. spot.

Mandrake Root—Firm at 21c@22c lb. spot with supplies from country limited.

Poppy Seed—Lower at 9 1/2c@10c lb. spot.

Quince Seed—Steady at 95c@1.10lb. spot with shipments of good quality material tending to scarcity.

Rhubarb Root—Quiet at 34c@36c lb. spot for whole, and 42c@44c lb. for powdered.

Saffron Flowers—American lower at 78c@80c lb. spot due to heavy stocks here and weak demand at the moment. Spanish firm at \$35.00@36.00lb.

Sarsaparilla Root—Mexican quoted at 26c@28c lb. spot. No reports have been received as to whether or not the revolution in Mexico has hindered shipments of this item. Honduras at 61c@65c lb.

Sassafras Bark—Active and firm at 30c@32c lb. spot for select goods.

Senega Root—Quoted at 64c@68clb. spot. Coast is firm and offerings limited.

Soap Bark—Cuts named at 9½c@10clb. spot, and crushed at 11½c@12½clb.

Spikenard Root—Lower at 26c@28clb. spot due to small demand. Country firm, however.

Valerian Root—Belgian named at 9c@10clb. spot, and German at 8c@9clb.

Vanilla Beans—Mexican whole higher at \$10.00@ \$12.00lb. spot with tendency to scarcity, and cuts at \$6.00@\$6.25lb. Last week 24 cases were imported at New York. Bourbon also higher at \$5.25@\$5.75lb. spot.

Wormseed—Levant quoted at \$4.00lb. while supplies last. American at 9c@10clb.

PLAUT FINDS DRUG TRADE PROSPEROUS

Edward Plaut, president of Lehn & Fink, Inc., who recently visited New Orleans, St. Louis, and Chicago, where he found the drug trade in general satisfactory, and retail conditions unusually good. In North and South Dakota, Mr. Plaut said, buying has been somewhat curtailed because of poor wheat and potato crops.

Business men with whom Mr. Plaut talked were enthusiastic over the President's message which was regarded as constructive and inspired by common sense. They all look forward to good business in 1924 and are making plans accordingly, Lehn & Fink, Inc., now operate branch offices in New Orleans, Chicago, St. Louis and Minneapolis.

GRASSELLI WINS DYE PATENT SUIT

Grasselli Chemical Co. has been awarded a perpetual injunction against the Commonwealth Color & Chemical Co., restraining them from directly or indirectly infringing upon dye patent Nos. 935,690; 935,781; 1,009,741; 1,012,853; 1,045,805; 1,101,739. A settlement has been arrived at between the companies as to damages for past infringements.

Sharp & Dohme have acquired a lease of the southeast corner of Varick and Grand sts., from the Corn Exchange Bank and will improve the plot with a six-story building for their own use. The company's New York office is now at 41 John st.

In exporting mastic gum after Jan. 1, a duty of 20 per cent will be levied by the Grecian Government, which will probably result in higher prices in this market, according to George H. Lincks, New York, importer of varnish gums.

The Council of the League of Nations has decided to call a conference on the opium traffic to meet in Geneva next November. All members of the League and all parties to the Opium Convention will be asked to send representatives.

The market is more active than last week and more so than it usually is during the first half of December, according to John Clarke & Co., New York, spice brokers.

William Hosken, Viotor & Hosken, New York, has been entertaining Don Luis de Bourbon, brother of the king of Spain, at Mr. Hosken's residence in New York.

J. L. Hopkins, of J. L. Hopkins & Co., New York, is on a trip South to obtain first hand information on domestic botanicals.

Schiffelin & Co., New York, have obtained judgment against Bernard Axelrod for \$958.45.

DRUG EXCHANGE ELECTS OFFICERS

Legislative Committee Warns Drug Trade of Hostile Bills and Court Decisions Affecting Business

(Special to DRUG & CHEMICAL MARKETS)

Baltimore, Dec. 19.—The Baltimore Drug Exchange Bureau of the Merchants and Manufacturers Association elected the following officers at the annual meeting, Dec. 10:

President—William A. Sailer, Sharp & Dohme.

First Vice-President—John C. Muth, Muth Bros. & Co.

Second Vice-President—H. H. Robinson, H. B. Gilpin Co.

Treasurer—J. Emory Bond, Parke, Davis & Co.

Secretary—William J. Lowrey, Gilbert Bros. & Co.

Executive Committee—W. M. McCormick, McCormick & Co.; Horace Burrough, of Burrough Bros. Manufacturing Co., and Parker Cook, Emerson Drug Co.

The meeting opened with a banquet, and a motion picture of the plants of the Owens Glass Co., Toledo, Ohio, was shown.

Richard H. Bond, general sales manager, McCormick & Co., and chairman of the Legislative Committee, reviewed in his report objectionable bills in several state legislatures affecting the drug trade and pointed out the vast amount of work required to combat these measures. He drew particular attention to a court decision affecting orders taken by salesmen, saying:

"The decision of the Supreme Court in the Cheney case that orders taken by the salesmen of corporations located outside the State in which orders were taken, and turned in to a jobber in such States as they were taken in to be shipped from his stock, was intrastate business and brought the corporation taking such orders, even though it had no office, stock, warehouse, or investment in the State in which such orders were taken, under the foreign corporation act of such State, has awakened officials to this suggested source of revenue, and we look for increasing drastic laws affecting foreign corporations.

"The importance of this class of bills must not be overlooked. If all of the States were to pass corporation laws similar to these, corporations doing a national business would not only find their profits wiped out, but, in many instances, would have their capital impaired. The condition is considered so serious by far-seeing men that steps are being taken by many of the largest corporations to adjust the machinery of their business in such a way that these laws will have a minimum effect."

A. L. Sullivan, Food and Drug Commissioner of Maryland; Robert L. Swain, assistant commissioner; Charles L. Meyer, president of the Maryland Pharmaceutical Association, and E. F. Kelly, dean of the Department of Pharmacy, University of Maryland, spoke briefly.

W. M. McCormick, retiring president, mentioned the appointment of the Alcohol Advisory Committee as an important concession which had been productive of much good, and he referred in an appreciative way to the work done by the members of the committee, two of whom are members of the Exchange. Mr. McCormick spoke of the high wages, low efficiency of workers, and expressed the hope that Baltimore would occupy a position in the drug trade similar to that held by Pittsburgh in the steel industry.

Dr. W. F. Hillebrand, chief chemist of the Bureau of Standards, celebrated his seventieth birthday on Dec. 12. He has been in the Government service 43 years.

The Essential Oil Market

Current Spot Quotations of Essential Oils, 1724, Aromatic Chemicals 1725

COUNTRY HOLDS PEPPERMINT AT \$3.50

Actual Buying Routine Only—Oil Bois de Rose Scarce
—Oil Caraway Steady—Oil Citronella Firm—Oils
Lemon and Orange Strong for Shipment—Oil Worm-
seed Higher—Oil Sandalwood Lower

PRICE CHANGES IN NEW YORK (Stocks in First Hands)

	Advanced			Declined		
	Oil Erigeron, 25c lb.	Oil Limes, Express, 10c lb.	Oil Wormseed, 25c lb.	Oil Sandalwood, E. Ind., 10c lb.		
Trend of the Market						
	Today	Last Week	Last Month	Last Year	War Peak	Pre-War
Oil Bergamot	\$2.90	\$2.90	\$2.80	\$3.10	\$7.00	\$5.00
Oil Citronella, Ceylon	.95	1.00	.85	.55	.92	.60
Oil Cloves	2.50	2.50	2.40	2.00	3.70	1.40
Oil Lemon	.75	.75	.75	.70	1.70	2.00
Oil Peppermint, Nat.	3.25	3.25	3.20	2.75	9.00	2.25
Oil Sandalwood, E. I.	6.90	7.00	7.15	7.00	13.00	5.25
Oil Sassafras, Artif.	.38	.38	.38	.42	1.00	.26
Benzaldehyde, U.S.P.	1.50	1.50	1.50	1.40	5.15	1.50
Coumarin	4.50	4.50	4.50	4.00	31.00	3.10
Methyl Salicylate, Cans.	.47	.47	.47	.52	1.00	.90
Vanillin	.50	.50	.40	.45	.95	.20
Average	2.22	2.23	2.22	2.06	6.83	2.05

From most quarters business in essential oils during the week was confined to small jobbing lots, although several 25-case orders were reported. The opinion prevails that after the first of the year demand will again broaden, but on a limited scale, conditions pointing to February as the time when buying will become active. Domestic oils are firmly held by country holders, and the question arises, who will be the first to give in? Confidential shading is still responsible for lower prices on some items, but in a broad way, becomes less a factor as the new year approaches. Actual changes on spot have been few.

Oil peppermint is quoted firm on spot at \$3.25lb. for natural material. Oil bois de rose supplies are scarce with tendency to higher figures. Little oil citronella is available on spot and prices show wide range as to seller, who names his own price. Several quarters stated that lemon and orange oils have firmed up for shipment owing to speculative interests buying up all available supplies. Oil wormseed has advanced owing to strength in the country. Oil sandalwood is lower, due to easier shipment figures.

Essential Oils

Oil Almond—Quoted at \$3.25@3.75lb. spot for bitter U.S.P. material, and \$3.50@3.75lb. for f.p.a. goods.

Oil Anise—Supplies appear plentiful with tendency for holders to shade 42½¢@45¢lb. spot for U.S.P. goods. Technical at 40¢@42¢lb.

Oil Bay—Quoted at \$2.50@2.60lb. spot. Last week saw 10 cases entered at New York. In active demand at the moment.

Oil Bergamot—Coppers quoted at \$2.90@3.00lb. spot with some quarters naming as low as \$2.70lb. in small way. Shipment reported steady with offerings more or less limited.

Oil Bois de Rose—Supplies scarce with tendency to higher figures at \$3.00@3.25lb. spot.

Oil Camphor—Quiet and dull at 13¢@15¢lb. spot for white Japanese in drums, and 13½¢@15¢lb. for cases.

Oil Cananga—Rectified quoted at \$2.75@3.00lb. spot, but cheaper supplies are reported available.

Oil Caraway—Quoted steady at \$8.50@8.75lb. spot with some lots available at \$8.25lb. High cost of replacements has kept buying for future delivery down to a minimum.

Oil Cedar Leaf—Country appears to be slightly easier. Spot quoted at \$1.05@1.10lb.

Oil Citronella—Ceylon quoted at 95¢@1.00lb. for drums, if procurable. Reports are heard that the factor who was prominent in adulterating the oil in India, has now been eliminated, and now good quality oil can be expected. However, pure oil can be bought providing buyers will pay the price. Tins named at \$1.00@1.10lb. Java quoted firm at \$1.10@1.15lb. spot for drums, and \$1.15@1.20lb. for tins. During past week 4 drums were entered at New York.

Oil Cloves—Quoted firm at \$2.50@2.60lb. spot with some houses still naming \$2.40lb. for limited quantities.

Oil Cubebs—Named easy at \$5.25lb@5.50lb. spot.

Oil Erigeron—Has advanced and now quoted at \$1.25@1.35lb. spot with possibility of shading these figures on firm business.

Oil Eucalyptus—Spot stocks are nearing the point of exhaustion, according to several factors in the trade. Replacements, no doubt, will cost much more than 70¢lb. in drums, and 72½¢@75¢lb. in cases.

Oil Geranium—Algerian firm abroad in spite of easy quotation on spot of \$7.50@8.00lb. Bourbon at \$7.00@7.50lb.

Oil Juniper Berries—Quiet at \$1.25@1.35lb. spot.

Oil Lemon—Spot quoted easy at 75¢@85¢lb. with 25 case lots inside at 70¢lb. Several large sales were reported last week. Shipment firm owing to activity of speculators. A 200 case lot can be bought for 68¢lb., according to one holder. American at 75¢@80¢lb.

Oil Limes—Expressed has advanced and now quoted at \$1.60@1.70lb. spot, and distilled higher at \$1.00@1.05lb.

Oil Linaloe—Mexican firm and scarce at \$2.50@2.75 lb. spot. The recent uprising will probably have some effect on this item.

Oil Mustard—Firm and active at \$3.30@3.40lb. spot for artificial.

Oil Neroli—Petale quoted at \$70.00@120.00lb. spot as to quality. Reports are heard that no more genuine oil is available, except in very small quantities.

Oil Orange—Italian steady on spot at \$3.15@3.35lb. with some houses asking \$3.25lb. inside. Shipment firm with tendency for speculators to control the situation. West Indian quoted at \$2.35@2.45lb. spot. Last week 119 cases were imported at New York. American at \$3.10@3.25lb.

Oil Peppermint—Spot quoted at \$3.25@3.35lb. for natural, and \$3.45@3.55lb. for redistilled. Reports are heard that country is holding for \$3.50lb. f.o.b. for natural.

Oil Petit Grain—South American named at \$1.75@1.85lb. spot. Last week saw 31 cases entered at New York.

Oil Sandalwood—East Indian easier at \$6.90@7.00lb. spot owing to easier shipment figures.

Oil Wormseed—Higher at \$7.00@7.25lb. spot due to firmness in country.

Aromatic Chemicals

Anisic Aldehyde—Quiet at \$3.75@4.50lb. spot.

Coumarin—Makers report buyers are absorbing fair sized quantities at \$4.50@4.65lb. spot. Resales available at \$4.45lb.

Methyl Salicylate—Active at 45c@47c. spot as to quantity. Second hands name 43c@44c.

Musk Ketone—Firm at \$14.00@15.00lb. spot.

Vanillin—Quoted firm at 50c@51½c oz. spot owing to increased substitution of this item for vanilla beans and also to high price of raw material.

Tin Market

Tin—Has advanced over last week and the different grades are quoted as follows: Straits at 46.625c; standard at 46.70c; and 99 per cent at 46c. Arrivals so far this month are 4,080 tons at Atlantic ports, 110 tons at Pacific, and 4,491 tons afloat.

The Editor's Correspondence

Counterfeit Oil on the Market

We regret the necessity of warning buyers that certain parties have been offering counterfeit oil of inferior quality under the well known name and label of Oil Ylang Ylang "Siebert." This oil is offered in bottles bearing labels which imitate the genuine.

All true Oil Ylang Ylang "Siebert" bears a label with "Manila Ilang-Ilang Distillery" in the lower right hand corner. As the sole agents in the United States for Oil Ylang Ylang "Siebert" we warn purchasers against this counterfeit oil and announce our intention to protect our own interests and those of the distillers against this fraud.

UNGERER & COMPANY,
per. W. G. U.

CASSIA OIL SUPPLY LIMITED

Cassia oil is one of the principal essential oils exported from Hongkong. Owing to the disturbed conditions in South China its supply is now very limited, practically no stocks being held in the city at present, writes Consul Leroy Webber. Sales of cassia oil are usually contracted for on the basis of certificates of analysis issued by local analysts employed either by A. S. Watson & Co. (Ltd.), or by the colonial government. Payments are made cash against documents on confirmed letter of credit on the basis of price per pound, cost, and freight. Freight rates on this oil to American ports are as follows: \$17.50 per 40 cubic feet Hongkong to Pacific coast ports, and \$20 per 40 cubic feet Hongkong to New York via Suez or Cape of Good Hope.

Essential oils are in fair demand with few important changes to record, according to "Chemist and Druggist," London, which says: "Brown camphor oil is dearer to arrive. Nutmeg oil has advanced, and Bourbon vetiver is higher. Bois de rose oil is very firm. American peppermint is tending dearer. There is very little interest shown in anise or cassia oil. Guaiacwood and Mysore patchouli are cheaper. Palmarosa is cheap, but not too plentiful. Bourbon geranium is about steady since its decline in value."

BOURBON BEANS QUOTED AT 200 FRANCS

(Special Correspondence to DRUG & CHEMICAL MARKETS)

Marseilles, Dec. 7.—Although a higher figure than 190 francs has not been paid for new crop Bourbon vanilla beans, nevertheless the trade here is quoting 200 francs, and plenty of prophets predict even higher prices. The local trade discounts the stories of a crop shortage in the islands, and points to the recent arrival of over a thousand cases on the "Azay le Rideau" as evidence that shipments are keeping up along with prices. There is no doubt that the available supplies are closely held in the Islands and Danman Freres are locally reported to have most of the stocks in France. Society Commercial Bambao, new factors, have been doing some heavy direct importing, and the probable course of their activities is causing some speculation.

Demand at present prices is not brisk, and conservative elements are concerned over reports from your country of increasing use of vanillin. The most disturbing factor in the market here, however, is the possibility of contract cancellations on the part of Island producers. Any great number of these would undoubtedly cause higher prices, and higher prices have not improved the general undertone of the market.

MAGNUS SALES STAFF MEETS IN N. Y.

The sales staff of Magnus, Mabee & Reynard, Inc., New York essential oil and chemical importers, are holding a two day convention at the home office. The sales force met Dec. 19. A joint meeting of salesmen and executives will be held Dec. 20 at the Drug & Chemical Club followed by the fourth annual banquet at the Hotel Brevoort, New York, in the evening. Twenty-six attended the sales sessions. Addresses were made by P. C. Magnus and Joseph B. Magnus.

New additions to the MM&R sales organization for 1924 include P. L. Tyrell who will cover Boston and adjacent territory, George A. McLearn covering the Philadelphia district, and W. F. Smith who will cover Southern territory working out of Atlanta. Plans for the opening of a permanent MM&R Montreal sales office early in the spring of 1924 have been announced in New York.

CHICAGO PERFUMERS ENTERTAIN

The annual banquet of the Perfumery, Soap & Extract Association of Chicago, held at the Drake Hotel on Dec. 13, was attended by about 200 members and friends. Vaudeville and music by Beason's orchestra made up the entertainment program. It was a speechless banquet, without a toast master. Clarence Morgan, chairman of the entertainment committee introduced the retiring president, Geo. A. Briggs, who introduced H. G. Baldwin the new president and Jos. De Lorme the new vice-president. W. L. Filmer, re-elected secretary for the third time, was then introduced. Each lady was presented with a Hudnut gold-plated compact case as a souvenir.

William Wrigley, Jr. Co., Chicago, spent \$6,798,662 in advertising "doublemint," according to a bill of exceptions filed by the company in the Federal District Court against a Master in Chancery's recent finding of damages for \$3,718,063 in favor of L. P. Larson Co. and its wintermint product.

Ginger stocks consist principally of African goods with little Japan and Jamaica available at the moment, according to H. P. Herrfeldt & Co., New York.

H. J. Ahles, Chicago representative of Ungerer & Co., New York, was in town for a few days on business.

The Foreign Markets

Imports of Drugs and Chemicals, page 1725

COCAINE AND CAUSTIC POTASH HIGHER

Advance Announced also on Castor Oil, Acetanilid and Acetic Acid—Quotations Easier on Bromides, Balsam Tolu and Carbolic Acid—Little Activity in Trading

(Special Cable to DRUG & CHEMICAL MARKETS)

London, Dec. 19.—Holiday quietness prevails in the fine chemical and crude drug markets. Higher prices are quoted for cocaine, caustic potash, castor oil, acetanilid and acetic acid.

Quotations are easier on bromides, balsam tolu and carbolic acid.

GERMANY REGULATING THE TRUSTS

(Special Correspondence to DRUG & CHEMICAL MARKETS)

Berlin, Dec. 8.—A new Government measure, dealing with the supervision of the syndicates, has been published in the "Reichsanzeiger," the official Government organ. A special court, the Kartellgericht is established by the bill in connection with the Reichswirtschaftsgericht (Federal Economic Court), and the Minister for Economic Affairs has been given additional powers. If production or sales are restricted, or prices are unduly raised, or in case of quotation in goldmarks surcharges are made to cover risks, it will be considered that the public interest is involved and the court will entertain a complaint.

If rules or contracts made by a syndicate prove to be detrimental to trade and industry in general or to the public welfare, the Minister may demand a copy of all the documents relating to the case. He may also give orders that the company's plans shall not be carried out before he has received the copies, and he may apply to the Kartellgericht for an injunction prohibiting the carrying out of such measures or contracts, or declaring them void. By means of the new law it is intended to abolish the possibility of unfair prices being enforced by syndicates, concerns, or private firms, and to give greater scope to free competition.

The Rutgerswerke, the Handelszentrale für Industriezeugnisse, and the banking firm of Oechelhauser and Lande have founded the firm of Kochelwerk (company for chemical products), with offices at Berlin. The new company takes over the works of the Kochelwerk, at Kochel in Bavaria, and intends to start the production of lime colors by a new process. The share capital of the company is 500 million marks. The Louis Wagner Co., Köln, and Hubert Rosgen, Lauenburg, have merged under the name of Chemical Factories Louis Wagner-Rosgen. The works at Köln are to supply the Rhenish districts and Westfalia and the Lauenburg factory the other parts of Germany and foreign countries.

Ammonium sulfate yield in Germany in 1922 amounted to 1,191,000 tons, or double that of 1913. United States produced 474,000 metric tons in 1922, more than any previous year and three times the pre-war production. United States led in exports of ammonium sulfate in 1922 with about 150,000 tons against 148,000 tons from the United Kingdom which in 1913 exported 328,000 tons. Japan was the largest consumer with 93,000 metric tons. Spain, France and Netherland East Indies each imported from 70,000 to 75,000 tons.

FOREIGN EXCHANGE

	Par	Current
Great Britain (pound sterling)	\$4.886	\$4.37
France (franc) .....	.193	.053
Italy (lira) .....	.193	.043
Germany (mark) per hundred	23.80	—
Czechoslovakia (crown) per hundred	20.30	.029
Poland (marks) per hundred	23.80	.00003
Japan (yen) .....	.499	.468
Holland (guilder) .....	.402	.381
Spain (peseta) .....	.193	.130
Belgium (franc) .....	.193	.046
Switzerland (franc) .....	.193	.174
Sweden (crown) .....	.268	.263
Denmark (crown) .....	.268	.178
Argentina (peso) .....	.424	.322
Brazil (milreis) .....	.324	.092
China (Silver dollar—Hongkong) .....	.789	.512
Tael—Shanghai, silver	1.082	.752
Tael—Peking, silver	1.156	.775

HEAVY CHEMICALS IN DEMAND IN FRANCE

(Special Correspondence to DRUG & CHEMICAL MARKETS)

Marseilles, Dec. 8.—The demand for sulfuric acid, 60 degree grade, in steady. Quotations on sodas are firm, but no advances have occurred. Quotations per 100 kilos are as follows:

	Francs
Muriatic acid 20 deg.	20
Nitric acid 36 deg.	110
Nitric acid 40 deg.	120
Sulfuric acid 60 deg.	22
Sulfuric acid 50 deg.	20
Chlorate of potash	Nominal
Soda, caustic	120
Soda, silicate	44
Magnesium chloride	47
Potassium chloride	65
Potassium nitrate	160
Magnesium sulfate	40
Copper sulfate 98%	190
Iron sulfate 95%	22
Potassium sulfate	100
Ammonium sulfate	127
Borax refined	200
Calcium Chlorate	49

Sir S. W. Royse & Co., Ltd., chemicals, in their November report say: "During the greater part of this month business has been fairly maintained, but recently the influence of the General Election has made itself felt and enquiry has fallen away somewhat. Prices show little change though the reported decision of the German Government to refuse to refund the 26 per cent reparation duty may later materially affect values of German products."

Spanish imports of chemical products for the first six months of 1923 amounted in value to 163 million pesetas, an increase over the same period in 1922 of 47 million pesetas. Colors, paints, sulfur, fertilizers, tanning materials, and pharmaceutical specialties accounted for the increase. Exports of chemical products increased from 60 to 63.6 million pesetas in value, and minerals and ores from 63 to 78 million pesetas.

During August 8,407 metric tons of manganese ore were shipped from Rio de Janeiro and 4,020 tons from Bahia. Of this amount the United States took 11,720 tons.

The French Government has lately resumed quoting official prices for turpentine, according to Consul Lucien Memminger, Bordeaux, who says that in normal years France produces about one-sixth of the world's production of naval stores, while the United States furnishes about four times this amount. For the second half of 1923, the French market has remained fairly firm, but has not been particularly active, especially for export. Turpentine was officially quoted in July at 500 francs per metric quintal, and pitches at 84 francs. Stocks in the warehouses amounted to 542,076 kilos on July 31, and on Aug. 31 were increased to 1,763,016 kilos.

In value imports into the United Kingdom of chemicals, drugs and dyes during the nine months to September in the current year, rose by £1,655,235 or nearly 20 per cent above that for 1922 and £14,149 over 1921, the aggregate value this year amounting to £9,998,879. Contrasted with a year ago, the chief items which were imported to a greater extent included borax, calcium carbide, red lead and orange lead, nickel oxide, quinine and quinine salts, intermediate coal-tar products for use in the manufacture of dyes, but there were marked falls in receipts of crude and distilled glycerin, alizarin and natural indigo.

Production cost of platinum at the Ural Platinum Trust's plant during 1921-22 was 9.64 rubles gold (1 ruble gold equals \$0.5146) per zolotnik (4.266 grams) exclusive of amortization charges. Expensive repairs to dredges along with increased labor charges has caused a steady advance until on April 1, the cost reached 14.24 rubles gold. In the Kitlym district, powerful and comparatively new American dredges have contributed in keeping cost down to 7.5 to 8 rubles per zolotnik.

Australian Commonwealth Government has decided to pay a bounty of £2 5s a ton on all sulfur produced in Australia from local pyrites and other sulfide ores. The bounty will be paid when sulfuric acid is produced and on as much sulfur as would be necessary to produce it.

Foreign Trade Opportunities

The Department of Commerce, Washington, D. C., has received the following inquiries for drugs, chemicals and accessories. Reserved addresses may be obtained from the Bureau and its district and cooperative offices. Request for each opportunity should be on a separate sheet and state opportunity number. The Bureau does not furnish credit ratings or assume responsibility as to the standing of foreign inquirers; the usual precautions should be taken in all cases.

Commodity	Number	City and Country	Purchase or Agency
Alcohol, industrial	8413	Basel, Switzerland	Agency
Bleaching powder, sugar of milk	8407	Shanghai, China	Purchase
Caustic soda, soda ash	8470	Harbin, China	Purchase
Chemicals, heavy	8432	Landskrona, Sweden	Agency
Bichromate of potash and soda	8425	Dublin, Ireland	Agency
Chemicals for agriculture	8427	London, England	Purchase
Chemicals for use in tanning	8438	Colombier, Switzerland	Agency
Chemicals for paints	8436	La Paz, Bolivia	Purchase
Fertilizers and chemicals	8415	Antwerp, Belgium	Agency
Manganese chloride	8396	Buenos Aires, Argentina	Agency
Paints	8479	Durban, South Africa	Purchase
Paints, varnishes	8406	Hamilton, New Zealand	Agency
Paints, varnishes	8432	Hingtau, China	Purchase
Paints, varnishes	8413	Havana, Cuba	Agency
Linseed oil, turpentine	8425	Dublin, Ireland	Agency
Rosin, turpentine	8426	Cork, Ireland	Agency
Rosin, caustic soda	8467	Stockholm, Sweden	Purchase
Sodium caustic, solid, 75-76 per cent	8477	Sao Paulo, Brazil	Agency
Sulfur, rock or crude	8459	Chemnitz, Germany	Purchase
Drugs	8462	Johannesburg, S. Africa	Agency
Drugs, proprietary	8393	Merida, Mexico	Agency
Medicines	8408	Dublin, Ireland	Agency
Medicines, proprietary	8404	Bangkok, Siam	Purchase
Toilet preparations	8458	Dublin, Ireland	Purchase
	8437	Vienna, Austria	Purchase

SELLING PHARMACEUTICALS IN BRAZIL

Estimated Consumption Annually Is \$20,000,000 to \$24,000,000—Government Regulations

The annual consumption of pharmaceuticals in Brazil amounts to about \$24,000,000 in value. The population is about 30,000,000. Estimating the consumption in 1922 from the sales tax the total sales were \$20,250,000. In a report on the Brazil market the Bureau of Foreign and Domestic Commerce (Washington) says that owing to the high duties it is advisable for Americans to investigate the possibilities of manufacturing their products in Brazil. Several foreign concerns have found it profitable to manufacture all of their products locally, for even if they can not buy all their crude drugs or chemicals in Brazil it is cheaper to import the constituent products in a crude form and make up the preparation locally. Containers of glass and tin and labels of all kinds are obtainable and at much less cost than they can be imported. All advertising literature should also be printed in Brazil in order to effect the savings in not having to pay import duties.

In order to successfully introduce and sell pharmaceuticals in Brazil it is almost imperative to have a representative located in Rio de Janeiro, says M. A. Cremer, American Assistant Trade Commissioner. Most of the foreign pharmaceuticals imported are purchased by the importers, i.e., representatives, agents, etc., on their own account. In billing goods to them it is customary to draw at 90 days' sight or 120 days' date. Some English manufacturers have been granting six to seven months' sight, the charge for this accommodation being included in the price. All pharmaceutical preparations are heavily advertised.

The representative must submit to the Public Health Bureau the following:

1. Three samples of the preparations to be approved, for purposes of analysis.
2. His power of attorney signed by the president of the company manufacturing the product to be approved.
3. A sworn statement of the chief chemist of the manufacturing company, stating that he is a graduate of a college teaching chemistry, that he is the chief chemist of the manufacturing company, and that the formula of the product and its therapeutic indications as given are true.
4. A sworn statement of the president of the company manufacturing the product, stating he is president of the company manufacturing the product and that the formula is as stated by the chief chemist of the company.

An explosion resulting in the loss of twenty lives took place on the British steamer "Otterburn," at Marseilles, Nov. 23. The vessel had a cargo of chlorates, benzene and cotton goods and was bound for Barcelona and New York. It is believed that the explosion was caused by stowaways throwing away lighted matches or cigarettes.

Holders of Japanese patent rights or trade-mark registrations are requested to effect a new registration owing to the destruction of most of the records of the Patent Office in the recent earthquake, and application should be made not later than Feb. 28, 1924, according to Acting Commercial Attache E. G. Babbitt, Tokyo.

Fertilizers imported into Barbadoes are used mostly on sugar-cane crops, and the current retail prices are as follows: Ammonium sulfate, \$105 ton; potash sulfate, \$80 ton; sodium nitrate, \$90 ton; potash nitrate, \$130 ton; and organic nitrogen, \$60 ton, according to Consul J. C. Watson, Bridgetown.

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Leather Chemicals

FORMALDEHYDE REDUCED BY MAKERS

Market Weak Due to Large Supplies and Slow Demand

—Lactic Acid Outlook Stronger—Bichromates in Fair Demand—Sodium Sulfide Slow—Extracts Easier—Refined Menhaden Oils Firm—Cod Oil Holding at Latest Prices

Trend of the Market

	Today	Last Week	Last Month	Last Year	War Peak	Pre-War
Acid, Acetic, 28%	\$3.38	\$3.38	\$3.38	\$3.17½	\$17.00	\$1.50
Acid, Formic, 90% .....	.12½	.12½	.12½	.18	1.50½	.07
Acid, Lactic, 22% dark .....	.04½	.04½	.04½	.04½	.07	.02
Potassium Bichromate .....	.09½	.09½	.09½	.10	.65	.06¾
Epsom Salt, tech.	1.80	1.80	1.80	1.70	3.75	1.00
Sodium Prussiate, Imp. ....	.11½	.11½	.11	.19	1.25	.18
Soda Ash, 58% wks.	1.38	1.38	1.38	1.45	4.10	.69
Sodium Bichromate .....	.07½	.07½	.07½	.07½	.45	.04¾
Sodium Hyposulfite	2.75	2.75	2.75	3.00	3.75	1.30
Sodium Sulfide, 60% wks. ....	.03½	.03½	.03½	.04½	.10½	.02½
Average .....	.983	.980	.980	.998	3.267	.528

With a general curtailment of production in the leather tanneries at the present time, demand for leather chemicals is at a minimum. Most consumers are running on limited supplies to keep down inventories until after the first of the new year. Prices are at low levels at present and the future will probably see higher prices than those now prevailing. Lactic acid is understood to be in a position for higher prices. Makers of formaldehyde are lower but this market has been weak for some time. Bichromates are moving fairly regularly. Sodium sulfide is plentiful at present and the market is generally dull. A few extracts are selling at slightly lower prices. Menhaden oils are firm. Cod oil is holding at recent lower levels.

Acid, Formic—Prices are holding up under a steady demand for this material. Imported acid is practically the only material available and is quoted at 12¼clb. for the 85 per cent and 12½c@13clb. for the 90 per cent grade.

Acid, Lactic—Demand has been good and the market is firm with prospects of higher prices according to some factors. Dark, 22 per cent, named at 4½c@5clb. and light, 5½c@6clb.; 44 per cent, dark, 9½c@10clb. and light, 11½c@12clb.; 66 per cent, dark, 14½c@15clb. and light, 25c@30clb.

Arsenic—Red sulfide continues at 15c@15½clb. on routine demand.

Epsom Salt—Domestic material is quoted at \$1.80@ \$2.00 for the technical while imported is offered at \$1.00 @ \$1.10. U.S.P. material named at \$2.10@ \$2.50 according to quantity.

Extracts—With demand none too active prices are subject to slight shading in some quarters and in general quotations are slightly lower than those recently prevailing. Archil is quoted at 15c@19clb. according to strength; chestnut at 1¼c@2¼clb.; cudbear, 16c@17clb.; cutch, Borneo, 4¾c@5¼clb.; fustic, solid at 20c@22clb., crystal, 20clb., and liquid, 10c@12clb.; gambier, 8½c@9½clb.; hematine, 11c@12clb. for paste and 14c@20c for crystals; hemlock, 3c@3½clb.; hypernic, 15c@16clb.; logwood, 12clb. and solid, 13c@15clb.; oak, 4c@4½clb.; quebracho, 3c@4clb.; sumac, 7c@9clb.

Formaldehyde—Has eased off from the recent prevailing prices and is quoted lower at 10¾clb. with possibility of shading this on firm bids.

Potassium Bichromate—A fair volume of business is reported for the season with prices holding at recent levels at 9½c@9¾clb. as to seller and quantity.

Potassium Titanium Oxalate—Quoted at 28c@30clb. as to seller and quantity.

Potassium Prussiate—The yellow is offered at 22c@24clb. according to seller and quantity. Red has been bought at 45clb. but generally quoted at 50c@52clb.

Soda Ash—The volume of business this year exceeded that of last year according to prominent makers, and the outlook for the coming year is encouraging with the number of contracts placed. Prices are firm with makers quoting contracts at \$1.38 for 58 per cent light in bags at works. Dense at \$1.45. Lc/1 business is quoted at \$2.04, delivered, in bags and \$2.29 in barrels for five and up.

Sodium Prussiate—Yellow is easier in some quarters with sales at 11clb. though generally quoted at 11¼c@12clb. for imported. Domestic quoted at 12½c@13½clb.

Sodium Sulfide—Supplies appear plentiful and competition between sellers is keen. Quoted stronger in some quarters but range is from 3¼c@4clb. for solid, 60 per cent, and 4½c@5clb. for the broken. Crystals are named at 2c@2¼clb. as to seller and quantity.

The tanning industry at Port Elizabeth, South Africa, is busy, and without recorded change in prices competition between the tanners is very keen. Tanners are disappointed because light leather is permitted to enter South Africa free. They are unable to compete with the imported leather in quality and price and have been forced to discontinue manufacturing light leather. Tanners are concentrating on a medium-class leather and have made good progress in this line, according to Vice Consul Arthur H. Cawston, Port Elizabeth.

The Argentine Hide market is very dull and the prices are decidedly weaker, the best grade of hides are the only ones in demand. Sheep skins sales have increased and the prices obtained are better than those obtained at previous sales, according to information received by the Hide and Leather Division of the Department of Commerce.

"The Application of Color to Leather" is a feature article in the November issue of "Dyestuffs," published by National Aniline & Chemical Co. Articles on the dyeing of cotton, astrachan and paper also appear in the issue.

OTHER TANNING AND LEATHER MATERIALS

For reports on chemicals, oils, tanning extracts, and other raw materials for the leather industries not reported on this page, see Pages 1678, 1679 and 1682. For the current market quotations on chemicals and allied products, with specifications and packing, see price list beginning on Pages 1700, 1717, 1718 and 1720. Prices are for goods f.o.b. New York or works for prompt shipment unless otherwise specified. Read full explanation on Page 1700.

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Paper Chemicals

SLIGHTLY HIGHER PRICES FOR CASEIN

Stronger Market Brings Prices to 11c/lb.—Aluminum Sulfate Firmer in Makers' Hands—Bleaching Powder and Chlorine Unchanged—China Clay Steady—Salt Cake in Contract Demand—Rosins Advance

Trend of the Market

	Today	Last Week	Last Month	Last Year	War Peak	Pre-War
Aluminum Sulfate	\$2.40	\$2.40	\$2.40	\$2.40	\$5.50	\$1.50
Bleaching Powder	1.25	1.25	1.25	2.00	9.50	1.50
Casein .....	.11	.10½	.10½	.15	.28	.20
China Clay, Dom.	10.00	10.00	10.00	15.00	25.00	8.00
Chlorine Cyl. ....	.05½	.05½	.05½	.05½	.30	.08
Salt Cake	21.00	21.00	21.00	25.00	80.00	11.00
Sodium Silicate, 40° ..	.80	.80	.80	.95	1.75	2.00
Soda Ash	1.38	1.38	1.38	1.45	4.10	.69
Sulfur	18.00	18.00	18.00	18.00	66.00	20.00
Rosin F grade	5.75	5.65	5.80	6.80	4.05	20.25
Average	6.07	6.06	6.22	7.20	13.30	5.50

The only noticeable change in the market has been the slightly stronger tone in casein. Consumers are hesitant about contracting too far in advance owing to the uncertainty of the market at present. Prices have responded slightly and imported material is now being quoted at 11c/lb., duty paid, for contract. Domestic is at similar prices and competition is keen at present. Aluminum sulfate is reported firmer in makers' hands and there is less tendency to shade prices slightly. Bleaching powder and chlorine have undergone no change and prices remain at recent low levels. Salt cake has been in some demand for delivery over the coming year. China clay is steady in price and delivery. Rosins are higher for the lower and medium grades.

Acid, Sulfuric—The outlook for next year is reported good with many of the old contracts renewed. Current demand is about normal. Prices are steady with 66° in tanks at \$15.00@\$16.00 ton at works. In drums at \$1.10@\$1.25; carboys, \$1.25@\$1.75 as to quantity; 60° acid at \$9.00@\$10.00 ton. Oleum at \$17.00@\$18.00 ton in tanks and \$1.25@\$1.75 in drums for 20 per cent material.

Aluminum Sulfate—Makers are holding firm at the recent prices and there is less tendency to shade present quotations. Iron-free is named at \$2.40@\$2.50 while commercial is held at \$1.35@\$1.40.

Blanc Fixe—Unchanged with buying routine and deliveries regular. Domestic is quoted at \$75.00@\$80.00 ton for dry and \$50.00@\$55.00 ton for pulp. Imported dry named at \$70.00@\$72.00 ton.

Bleaching Powder—Supplies have been moving quite well, according to makers, and prices are steady at \$1.25. Consumers realize the attractiveness of present prices and advantage of them is being taken in contracts over the coming year. Some improvement is reported from the paper and pulp mills.

Casein—The market is a trifle stronger with importers quoting around 8½c/lb. c.i.f. or 11c/lb. duty paid for contract business. Domestic material is selling at 11c@13c/lb. depending upon the quantity and time of delivery. Buyers are unwilling to contract more than a few months ahead owing to the uncertainty of the market. Imports last week at New York were 1,184 bags from Argentina. Domestic imports for the ten months ended with October were 23,890,465 pounds valued at \$4,090,598.

China Clay—Deliveries are proceeding regularly on contract. Prices are unchanged. Crude named at \$6.00

@\$8.00 ton and washed and ground \$7.50@\$12.00 ton; imported filler clay at \$13.00@\$16.00 ton and coating clay \$25.00 ton.

Chlorine—There has been no change in the situation. Prices are holding at 3c/lb. for large contract business in tanks and 5½c@6c/lb. in ton cylinders. Small business in 100lb. cylinders at 6c@8c/lb. Contract business over next year is reported quite good.

Salt Cake—Contract business is being placed at \$21.00 @ \$24.00 ton according to seller quantity and location.

Satin White—Named at \$1.45@\$1.50 per 100lbs.

Sodium Bisulfite—Unchanged at 4½c/lb. for the dry and \$1.25@\$1.75 for the liquid according to strength.

Sodium Silicate—Steady at 75c for 40° in tanks and 80c in drums. Sixty degree named at \$1.75@\$1.90.

Soda Ash—The volume of business this year exceeded that of last year according to prominent makers, and the outlook for the coming year is encouraging with the number of contracts placed. Prices are firm with makers quoting contracts at \$1.38 for 58 per cent light in bags at works. Dense at \$1.45. Lc/l business is quoted at \$2.04, delivered, in bags and \$2.29 in barrels for five and up.

Sulfur—Crude material is quoted at \$14.00@\$15.00 ton at the mines and \$18.00@\$19.00 ton f.o.b. New York.

Rosins—Prices have firmed up while both domestic and export business is showing signs of improvement. Lower and medium grades are higher with quotations showing B, \$5.70; D to G, \$5.75; H and I, \$5.80; K, \$5.85; M, \$6.05; N, \$6.30; WG, \$6.75; WW, \$7.00.

HEAVY IMPORTS OF PAPER IN 1923

Imports of paper for nine months ending Sept. 30 are equal to the record of the twelve months preceding, and if the rate of importation is continued the total for the year 1923 will reach \$113,000,000, according to a statement of American Paper and Pulp Association. The imports by months and grades follow:

January	\$8,908,326	News Print ..	\$72,493,213
February	7,710,512	Book	831,674
March	9,440,723	Board	2,367,649
April	9,563,912	Wrapping	3,147,864
May	10,582,733	Fine	467,629
June	9,710,893	Tissue	688,279
July	9,165,907	Hanging	426,172
August	10,140,431	All others	4,465,786
September	9,664,829		
Total	84,888,266	Total	84,888,266

OTHER PULP AND PAPER MATERIALS

For reports on chemicals, bleaches, fillers, and other raw materials for the pulp and paper industries not reported on this page, see Pages 1678, 1679 and 1680. For current market quotations on chemicals and allied products with specifications and packing, see price list beginning on Pages 1700 and 1708. Prices are for goods f.o.b. New York or works for prompt shipment unless otherwise specified. Read full explanation on Page 1700.

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Owing to Small Demand—Carbon Black Dull—Acetone Steady—Benzene Quiet—Hexamethylene Active—Mineral Rubber Routine—Diphenylguanidine Easy—Iron Oxide Steady

Trend of the Market

	Today	Last Week	Last Month	Last Year	War Peak	Pre-War
Antimony Sulfide Crim....	\$3.39	\$3.39	\$3.36	\$3.35	\$4.45	\$3.35
Carbon Bisulfide .....	.06	.06	.06	.06	.50	.10
Carbon Black .....	.11	.11	.12	.15	.30	.14
China Clay, Imp.....	16.00	16.00	16.00	16.00	20.00	14.00
Hexamethylene .....	.82½	.82½	.82½	.97	1.35	..
Iron Oxide, Span.....	.03½	.03½	.04	.04	.04½	.03
Lithopone .....	.06½	.07	.07	.06	.08	.04
Sulfur	3.05	3.05	3.00	2.50	6.50	2.75
Whiting, Dom.	14.00	14.00	14.00	18.00	30.00	11.00
Zinc Oxide, Amer.....	.08½	.08½	.08½	.07	.09½	.09
Average ..	3.462	3.462	3.455	3.820	5.931	..

Consumption of rubber chemicals is curtailed somewhat by the closing down of several large factories to take inventory. This condition is temporary only, however, and when the new year comes, a broadening of demand will, no doubt, develop as the year progresses. Prices are about as low as possible, without wiping out all return on investment, and are generally maintained at previous levels.

Zinc oxide has been reduced owing to small demand and slight accumulation of stocks. Lithopone is lower. Carbon black is dull at the moment and export demand is not up to that of the last three weeks. Acetone supplies are being absorbed as fast as they are offered. Demand for mineral rubber is routine only. Resales of diphenylguanidine are in the market slightly below present quotations. Iron oxide is in steady demand.

Acetone—Firm at recent levels with supplies light. C.P. quoted at 25c@25½clb.; methyl acetone, \$1.15@ \$1.20 per gallon; acetone oil, \$1.25@ \$1.30 per gallon.

Acid, Acetic—Little change in the situation with deliveries proceeding regularly and new demand showing signs of improvement. Makers are holding prices at \$3.38@ \$3.63 for 28 per cent; 56 per cent, \$6.75@ \$7.00; 70 per cent, \$8.38@ \$8.63; glacial, \$12.78@ \$13.53.

Aniline Oil—In small demand at 16c@17clb. works, and 17c@18clb. spot.

Aluminum Flake—Named at \$23@ \$29 ton as to quantity and quality. Stocks ample for all immediate requirements.

Antimony Sulfide—Quoted at 19c@24clb. spot for golden as to quality, and 39c@50clb. for crimson. Demand held to supplies sufficient to carry over the inventory period only.

Asbestine—Steady at \$18@ \$20 ton works.

Benzene—Named easy at 20c@21c gal. works in tanks, and 25c@27c gal. in drums for 90 per cent material. Pure unchanged at 21c@24c gal. in tanks, and 26c@29c gal. in drums. The curtailment of production of crude oil in the West and the recent advance in oil stocks ought to have some effect on the prices of this item, according to the trade.

Blanc Fixe—Quoted at 4c@4½clb. spot f.o.b. New York.

Carbon Bisulfide—Routine at 6c@7½clb. spot as to quantity.

Carbon Black—Spot quoted easy at 12c@14clb. for

1c/l in cases, and contracts at 9c@11clb. Export demand quiet.

China Clay—Quoted at \$13@ \$20 ton for domestic at points of production, and \$18@ \$20 ton for imported.

Diphenylguanidine—Named at \$1.10@ \$1.15lb. spot with some distressed lots available for slightly better figures.

Hexamethylene—In active demand at 82½c@85clb spot as to quantity. Supplies none too plentiful to meet all needs.

Iron Oxide—Steady at 3½c@7½clb. spot for Spanish, and 12c@16clb. for English.

Lithopone—Lower at 6½c@7½clb. spot due to small demand. During last week 515 casks were imported at New York.

Mineral Rubber—Routine at \$35@ \$50 ton for 300/315 quality material.

Sulfur—Named at \$3.05@ \$3.30 cwt.; superfine at \$2.50 @ \$2.90 cwt.; and chloride at 6c@7clb.

Talc—Quoted at \$15@ \$18 ton works for domestic; French at \$40@ \$45 ton; and Italian at \$47@ \$58 ton.

White Barytes—Steady at \$27@ \$33 ton works.

Zinc Oxide—Has declined and now quoted at 8½c@ 8¾clb. works as to quantity.

"Rubber Latex" by Willis A. Gibbons, of United States Rubber Co., New York, and "The Chemistry of Rubber Hydrocarbon" by Dr. Harry L. Fisher, B. F. Goodrich Co., Akron, O., were the subjects discussed at the regular meeting of the New York section of the American Chemical Society, Friday evening, at the Chemists' Club, New York. The meeting was very well attended and the audience was especially interested in Mr. Gibbons' talk on latex. Election of officers resulted as follows: Chairman, C. E. Davis; vice-chairman, P. A. Levene; secretary-treasurer, D. H. Killefer; executive committee, R. N. Renshaw, H. R. Moody, H. B. Faber, R. F. Bacon.

Commenting on Brazil's policy regarding the rubber industry, Dr. J. C. Alves de Lima, inspector of Brazilian consulates, says: "An opportunity is given to American capitalists to acquire great tracts of public lands, and they can import Asiatic labor for the development of their plantations. The plans, suggested by the Brazilian Government, have been submitted to the United States through our Embassy at Washington and have met with full approval.

OTHER COMPOUNDING INGREDIENTS

For reports on chemicals, solvents, fillers, vulcanizing compounds, pigments, and other raw materials for the rubber industries not reported on this page, see Pages 1678, 1679 and 1680. For current market quotations on chemicals and allied products with specifications and packing, see price list beginning on Page 1700. Prices are for goods f.o.b. New York or works prompt shipment unless otherwise specified. Read full explanation on Page 1700.



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Shipment Prices Lower Abroad—Sodium Acetate Easier—Formic Acid in Good Demand—Sodium Sulfide Quiet—Tin Products Continue Strong—Starches and Dextrines Quiet and Unchanged—Coal Tar Dye Quiet.

Trend of the Market

	Today	Last Week	Last Month	Last Year	War Peak	Pre-War
Acid, Acetic, 28%	\$3.38	\$3.38	\$3.38	\$3.17½	\$17.00	\$1.50
Acid, Oxalic .....	.12	.12	.12	.14	.70	.07½
Bleaching Powder	1.25	1.25	1.25	2.00	9.50	1.50
Copper Sulfate	4.60	4.60	4.65	6.00	20.00	4.50
Epsom Salt, U.S.P.	2.15	2.15	2.15	2.25	4.25	1.50
Glauber's Salt	1.30	1.30	1.30	1.25	2.50	.80
Potash, Caustic, Imp. ....	.07	.07	.07	.06½	.87	.12
Soda Ash, 58% wks.	1.38	1.38	1.38	1.45	4.10	.69
Soda Caustic, 76% wks.	3.10	3.10	3.10	3.16½	9.50	1.80
Sodium Bichromate .....	.07½	.07½	.07½	.07½	.45	.04½
Average	1.742	1.742	1.767	1.865	4.800	1.42

Further curtailment of production of textiles is reported from New England points which further affects the consumption of textile chemicals. Southern mills are reported to be taking supplies regularly but the variety does not cover a wide field. Most domestic chemicals are holding fairly firm while imported chemicals have been declining steadily. Imported caustic potash is lower on spot and for shipment. Domestic sodium acetate is easier and lower in price. Sodium prussiate is lower. Sodium sulfide is dull. Glauber's salt is steady. Tin products are strong due to the recent rise in price of tin. Starches and dextrines are quiet while coal-tar dyes continue in slow demand.

Acid, Acetic—Little change in the situation with deliveries proceeding regularly and new demand showing signs of improvement. Makers are holding prices at \$3.38@\$3.63 for 28 per cent; 56 per cent, \$6.75@\$7.00; 70 per cent, \$8.38@\$8.63; glacial, \$12.78@\$13.53.

Acid, Formic—Prices are holding up under a steady demand for this material. Imported acid is practically the only material available and is quoted at 12¼c/lb. for the 85 per cent and 12½c@13c/lb. for the 90 per cent grade.

Acid, Oxalic—Buying is reported better and prices have been steady with domestic at 12c@12½c/lb. as to location. Imported quoted at 11¼c@12c/lb. as to seller and quantity.

Bleaching Powder—Supplies have been moving quite well, according to makers, and prices are steady at \$1.25. Consumers realize the attractiveness of present prices and advantage of them is being taken in contracts over the coming year. Some improvement is reported from the paper and pulp mills.

Chlorine—There has been no change in the situation. Prices are holding at 3c/lb. for large contract business in tanks and 5½c@6c/lb. in ton cylinders. Small business in 100lb. cylinders at 6c@8c/lb. Contract business over next year is reported quite good.

Epsom Salt—Domestic material is quoted at \$1.80@\$2.00 for the technical while imported is offered at \$1.00@\$1.10. U.S.P. material named at \$2.10@\$2.50 according to quantity.

Glauber's Salt—Holding at recent prices with demand regular. Domestic material is quoted from \$1.30@\$1.75 according to quantity. Imported salt quoted at 85c@90c per 100lbs.

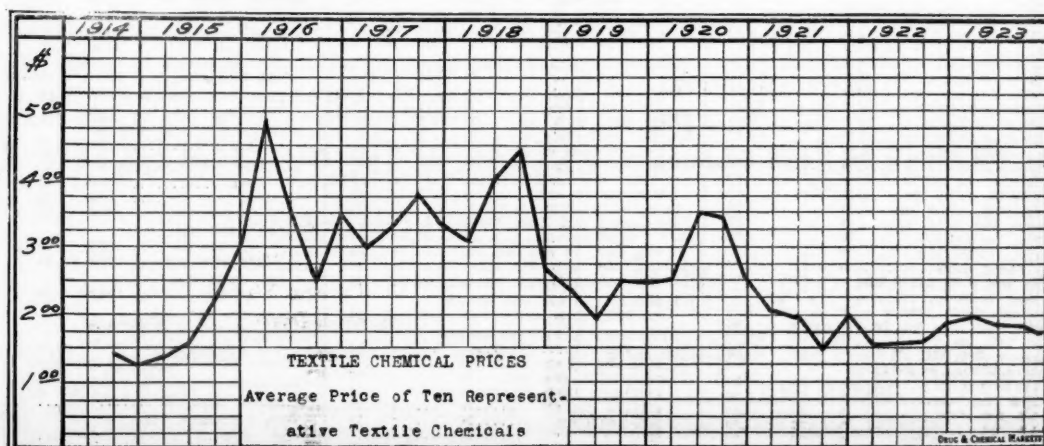
Potash Caustic—Supplies are more plentiful and importers are lower in their quotations. Spot material is offered at 6¼c@7c/lb. while material afloat can be bought at 6¼c/lb.

Soda Ash—The volume of business this year exceeded that of last year according to prominent makers, and the outlook for the coming year is encouraging with the number of contracts placed. Prices are firm with makers quoting contracts at \$1.38 for 58 per cent light in bags at works. Dense at \$1.45. Lc/1 business is quoted at \$2.04, delivered, in bags and \$2.29 in barrels for five and up.

Sodium Prussiate—Yellow is easier in some quarters with sales at 11c/lb. though generally quoted at 11¼c@12c/lb. for imported. Domestic quoted at 12½c@13½c/lb.

Starches and Dextrines

The market is quiet at present and little business is expected until after the first of the new year. Prices are unchanged with British gum at \$3.99@\$4.14 in carlots. White corn dextrine at \$3.64@\$3.74; yellow, \$3.69@\$3.79; potato, 7½c@8½c/lb., yellow, 8c/lb. Powdered starch, \$3.22@\$3.32; pearl, \$3.12; tapioca flour, 5½c@7c/lb. Technical albumen is scarce and nominal around \$1.10/lb.



Prices Current of Fine and Heavy Chemicals, Drugs, Essential Oils, Dyestuffs and Oils

CLASSIFICATION—Prices quoted herein are listed in the following groups: **Chemicals**, including heavy and technical chemicals, fine and medicinal chemicals, aromatic chemicals and isolates, crudes and intermediates from coal-tar, various fine alkaloids, and miscellaneous products; **Crude Drugs, Essential Oils**, including oleoresins; **Fatty Oils**, including Animal, Vegetable and Fish Oils, Greases, Fats, and Tallow; **Tanning and Dye Extracts**, including miscellaneous natural tanning woods, extracts, etc. All groups are arranged in straight alphabetical order.

Packages—Prices are for large quantities in original packages of the customary trading units of weight or measure. A container given in connection with a price does not necessarily mean that this is the quantity on which the price is based. Containers named are the original packages most commonly sold in this market.

QUOTATIONS—Chemical prices quoted herein are those of American manufacturers unless otherwise specified. Quotations on imported chemicals are so designated. Where resale or "second hand" stocks of any chemical product are sufficient to be considered a factor in determining the market, prices for goods in this class will be quoted in addition to makers' prices available, and indicated as such. Chemical prices quoted herein are for goods spot New York or Metropolitan

District, f. o. b. or ex-store, for immediate shipment, unless otherwise specified. Numerous domestic-made heavy or industrial chemical products are sold principally on a basis of f. o. b. works, and are thus quoted in the list herein, each instance of a "works" price, however, being specified as such.

Fatty Oils prices quoted herein are for goods spot New York unless otherwise noted; f. o. b. mills and Coast prices being designated as such. Crude Drugs and Essential Oils are quoted f. o. b. New York (Manhattan with limitations) for immediate shipment. Tanning and Dye Extracts are quoted spot New York unless otherwise noted.

WEIGHTS AND MEASURES—All quotations are made on a basis of avoirdupois pounds and ounces, and American gallons. The following equivalents are given for the reference of exporters, importers, and foreign buyers:

1 Imperial Gallon (British)	—1.20	American Gallons
1 American Gallon	— .833	Imperial Gallon
1 American Gallon	—3.79	Liters
1 Liter	— .264	American Gallon
1 American Gallon (Water)	—8.35	Pounds
1 Pound (Avoirdupois)	— .454	Kilograms
1 Kilogram	—2.20	Pounds

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Chemicals

ACETANILID , tech. 150 lb bbls. D	.27	.28
100 lb kgs. D	.28	.30
USP 200 lb bbls. D	.32	.33
Second Hands D	.29 1/4	.30
Acetic Anhydride , 85% 480 lb drs. D	...	.38
85%, 107 lb chys. D	...	.38
92-95% 100 lb chys. D	.43	.45
Acetone , CP 700 lb drs. c/l wks. D	...	.25
500 lb drs. l/c/l wks. D	...	.25 1/4
350 lb drs. l/c/l wks. D	...	.25 1/4
Second Hands, spot. D	.30	.32
Acetone Oils , light, drs. wks. gal	1.25	1.30
Heavy, drs. wks. gal	1.25	1.30
Acetophenetidin , 150 lb bbls. D	1.85	1.90
Acetyl Chloride , 100 lb chys. D	.40	.41
ACID , 1, 2, 4, 250 lb bbls. D	...	1.30
Acetic, 28%, 400 lb bbls. c/l wks. 100 lb	...	3.38
28%, l/c/l wks. 100 lb	...	3.63
56%, c/l wks. 100 lb	...	6.75
56%, l/c/l wks. 100 lb	...	7.00
70%, bbls. c/l wks. 100 lb	...	8.38
70%, l/c/l wks. 100 lb	...	8.63
80% coml. bbls. c/l wks. 100 lb	...	9.58
80% coml. l/c/l wks. 100 lb	...	9.83
80% pure bbls. c/l wks. 100 lb	...	11.41
80% pure l/c/l wks. 100 lb	...	11.60
Glacial, bbls. c/l wks. 100 lb	...	12.78
Glacial, l/c/l wks. 100 lb	...	13.03
Glacial, USP chys wks. 100 lb	...	13.53
Acetylmalic , 220 lb bbls. D	.75	.85
Second Hands D	...	.72 1/4
Anthranilic , ton lots dr. D	...	.90
95-98%, 100 lb drs. D	1.00	1.10
99-100%, 100 lb drs. D	...	1.20
Bismute , tech. 100 lb bbls. D	...	.75
Tech. ton lots bbls. D	...	.75
USP, 100 lb bbls. D	...	.75
Second Hands D	.72	.77
Boric , crys. powd. 250 lb bbls. D	.10 1/4	.11 1/4
Keps, 100 lb bbls. D	.11 1/4	.11 1/4
Brownner's 250 lb bbls. D	...	1.35
Butyric , 60% pure 5 lb bot. D	.50	.60
C.P. 10 lb bot. D	1.25	1.50
Camphoric , USP, VIII 1 lb bot. D	.80	.60
Carbolic , USP crys. see also Phenol	...	...
115 lb tins D	.33	.30
25 lb tins D	.30	.32
25 lb tins or bot. D	.33	.35
19 bot. D	.37	.39
Liquid USP, 1 lb bot. D	.36	.38

ACID , Carbolic—(Continued)		
Crude, 25% 50 gal. bbls. gal	.35	.36
10%, 50 gal. bbls. gal	.30	.32
Chloracetic , mono 100 lb bbls. wks. D	...	.30
Di, 150 lb chys wks. D	...	1.00
Tri, 425 lb bbls. wks. D	...	2.45
Chlorosulfonic , 1500 lb drs. wks. D	.15	.16
Chromic , USP 200 lb drums. D	...	.40
85% Pure, 200 lb drums. D	...	.35
Chromotropic , 300 lb bbls. D	...	1.25
Chrysanthic , see Chrysanthol	...	...
Cinnamic , 5 lb cans D	...	3.93
CITRIC , USP crys 230 lb bbls. D	...	.48
Powd., USP 200 lb bbls. D	...	.49
Imported, crys. 112 lb kgs. D	.47	.48
Single kgs D	.47	.48
Clevis , 250 lb bbls. D	1.00	1.10
Cresylic , 95% dark dr. NY. gal	...	.75
97-99% straw, drs. wks. gal	...	.75
97-99% pale, drs. NY. gal	.75	.85
Crude, spot, drums. gal	.60	.70
Diethylbarbituric , 10 lb lots, 1 lb bot. D	8.50	10.50
Formic 85% tech. 140 lb chys. D	.12 1/4	.12 1/4
90%, 80 lb chys. incl. D	.12 1/4	.13
Gallie , USP, 150 lb bbls. D	...	.65
Gamma , 225 lb bbls. wks. D	...	1.70
Bbls., ton lots wks. D	...	1.65
Glycerophosphoric , 25% 1 lb b. D	1.50	1.60
H 225 lb bbls. D	.75	.80
Bbls. ton lots wks. D	.72	.75
Hydrolic , 10% USP 2 lb bot. D	...	.73
Hydrobromic , 48% coml. 155 lb chys. wks. D	.35	.40
48% coml. 10 chys. wks. D	...	.40
40% USP 155 lb chys. wks. D	.45	.46
10% USP 100 lb chys. wks. D	.11	.13
Hydrochloric , see also Acid Muriatic	...	...
CP, USP, 110 lb chys. D	.09	.11
HYDROFLUORIC , 30% 400 lb bbls. wks. D	...	.07
30% bbls. c/l wks. D	...	.06
30% 100 lb chys. wks. D	...	.07
48% single 100 lb chys. wks. D	...	.11
48% 10 chys. wks. D	...	.10
52% 100 lb chys. wks. D	...	.12
52% 10 chys. wks. D	...	.11

Acid hydrofluoric —(continued)		
60% 100 lb chys. wks. D	...	.14
60% 300 lb dr. wks. D	...	.13
White Acid, 100 lb chys. wks. D	...	.26
White Acid, 10 chys. wks. D	...	.25
Hydroiodic , 35% 450 lb bbls. wks. D	.15	.16
Hypophosphorous , USP 30% 5 gal. dems. D	...	.95
USP, 10% 5 gal. dems. D	...	.32
LACTIC , 22% ca. 500 lb bbls. D	.04 1/4	.05
22% light, bbls. D	.05 1/4	.06
44% dark, bbls. D	.09 1/4	.10
44% light, bbls. D	.11 1/4	.12
66% bbls. dark, bbls. D	.14 1/4	.15
66% light, bbls. D	.25	.30
USP IX 100 lb chys. D	.70	.75
USP VIII 100 lb chys. D	...	.70
Laurent's , 250 lb bbls. D	...	.90
Metanilic , 250 lb bbls. D	.60	.65
Mixed , sulfuric-nitric		
Drums, wks. N Unit	.07 1/4	.08
Drums, wks. S Unit	.01	.01 1/4
Tank cars, wks. N Unit	.06 1/4	.07
Tank cars, wks. S Unit	.0009	.01
Molybdic , 85% pure 1 lb bot. D	1.60	1.70
85% pure, 100 lb kgs. D	...	1.85
Monosulfonic F , Delta. 50 lb tins D	...	2.30
MURIATIC , 20° chys. l/c/l wks. 100 lb	1.45	1.80
Chys. c/l wks. 100 lb	1.30	1.50
Tank cars, wks. 100 lb	1.00	1.10
18°, 120 lb chys. c/l wks. 100 lb	1.00	1.10
Tank cars, wks. 100 lb	.90	1.00
22°, 120 lb chys. c/l wks. 100 lb	1.75	2.00
Iron, free 20° chys. c/l wks. 100 lb	...	...
Tank cars, wks. bot ton	...	...
Muriatic , CP & USP, see Acid Hydrochloric	...	...
Naphthionic , tech. 250 lb bbls. D62
Refined, single bbls. D65
Neville & Winther's , 250 lb bbls. D	...	1.10

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6 lb. bots. Case 12 bots.
Carboys 47 and 112 lbs.

7 lb. bots. Case 12 bots.
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Chemicals

ACID, NITRIC, 36° 135D			Acid Sulfuric			ALCOHOL—(continued)		
Chys. wks.100D	4.75	: 5.00	Oleum, 20 p.e. 1500D drums,			Isopropyl, crude 50 gal. drs. gal.	...	: 2.25
Chys. c/l wks. ....100D	4.50	: 4.75	lc/l wks. ....100D	1.50	: 1.75	Refined, 50 gal. drs. ....gal	4.00	: 4.50
38° single chys. wks. ....100D	5.50	: 5.75	Drums, c/l wks. ....100D	1.25	: 1.50	Ref'd, 91% drs. ....gal	...	: 3.50
Chys. c/l wks. ....100D	5.25	: 5.50	Tank cars, wks. ....net ton	17.00	: 19.00	Methyl, see Alcohol, Wood		
40° Single chys. wks. ....100D	6.00	: 6.50	Contract cars, wks. ....ton	...	...	Propyl, nml. crd. 50 gal. drms. gal	...	: 4.40
Chys. c/l wks. ....100D	6.75	: 6.90	Oleum, 40% drs lc/l wks. net	...	: 40.00	Refined, 10D can. ....D	...	: .75
Chys. c/l wks. ....100D	6.50	: 7.00	Oleum, 60% drs., lc/l wks. net	...	: 70.00			
C. P. chys. single wks. ....100D	.14	: .18				Denatured		
Oxalic, 325D bbls. wks. ....D	.12	: .12½	Sulfurous, USP 6% 100D chys. D	.05	: .06	No. 1 Complete Denat. 188 Proof		
Bbls., NY. ....D	.12½	: .13	4% 100D chys. ....D	.04	: .05	50 gal. bbls. incl. ....gal	.56	: .58
Keps. 100D NY. ....D	.13	: .13½	USP, 5 gal. dems. ....D	.06	: .08	50 gal. drums, extra. ....gal	.51	: .53
Imp., 560D casks. ....D	.11½	: .12	Tannic, tech. 300D bbls. ....D	...	: .45	No. 1 Special Denat. 190 Proof		
Phosphoric, 50% tech. 100D			USP, powd. 200D bbls. ....D	.80	: .83	50 gal. bbl. incl. ....gal	.54	: .56
chys. ....D	.08	: .09	USP, fluffy, 50D bbls. ....D	.80	: .83	50 gal. drums, extra. ....gal	.48	: .50
USP, 85% syrupy, 70D			Tartaric USP cryst. 300D bbls. D	...	: .30	No. 5 Complete Denat. 188 Proof		
demis. ....D	.12	: .14	USP, powd. 300D bbls. ....D	...	: .30	50 gal. bbls. incl. ....gal	.53	: .55
Phthalic, see Phthalic Anhydride			Imp. USP, 240D bbls. ....D	.28	: .29	50 gal. drums, extra. ....gal	.47	: .49
Picramic, 300D bbls. ....D	...	: .65	Powd. 240D bbls. ....D	.28	: .29	No. 6 Complete Denat. 188 Proof		
Picric, 450D bbls. ....D	...	: .30	Tobias, 250D bbls. ....D	1.00	: 1.10	50 gal. bbls. incl. ....gal	.53	: .55
Bols, ear lots wks. ....D	.20	: .25	Tungstic, 100D kgs. ....D	...	: 1.00	50 gal. drums, extra. ....gal	.46	: .48
Pyrogalllic, crys. 5D cans. ....D	1.20	: 1.30	Valeric, C.P., 10D bot. ....D	4.00	: 4.25	In addition to the regular authorized		
Resublimed, 5D cans. ....D	1.60	: 1.70	Aconitine Alk. cryst. 1 oz. vis. os	...	: 30.00	formulas for completely dena-		
Tech. powd., 200D bbls. ....D	...	: 1.20	Amorphous, 1 oz. vis. ....os	...	: 20.00	tured alcohol, some 75 formulas for		
Salicylic, tech. 125D bbls. ....D	.32	: .33	Adeps. Lanac, hydrous 350D bbls. D	.21	: .23	specially denatured alcohol are au-		
USP, 100D bbls. ....D	...	: .35	Anhydrous, 350D bbls. ....D	.23	: .24	thorized for special uses. Owing to		
Second Hands ....D	.34	: .35	Albumen, Egg, edible. ....D	1.15	: 1.25	the limitations of their uses however,		
Sulfanilic, 250D bbls. ....D	.17	: .20	Technical, see Dyes Sundries			prices are quoted by the alcohol		
SULFURIC, 66° 180D chys.			ALCOHOL, USP 190 pf. 50 gal.			producers only to holders of per-		
lc/l wks. ....100D	1.50	: 1.75	bbls. ....gal	4.83	: 4.91	mits allowing the use of specially		
Chys. c/l wks. ....100D	1.25	: 1.50	Second Hands, bbls. USP 190			denatured formulas in products au-		
1500D Drums, lc/l			pf. ....gal	...	...	thorized by the Dept. of Internal Revenue.		
wks. ....100D	...	: 1.25	Export, USP, 190 pf. ....gal	.45	: .83	Aloin, USP 100D cases. ....D	.90	: .95
Drums, c/l wks. ....100D	...	: 1.10	Cologne Spirit, 50 gal. bbls. gal	4.90	: 5.00	Alpha-Naphthol, crude 300D bbls. D	...	: .65
Tank cars, wks. ....net ton	15.00	: 17.00	WOOD, see Methanol			Refined, 300D bbls. ....D	...	: .75
60° 1500D Drums,			Alcohols, also in 50 gal			Alpha-Naphthylamine, 350D bbls. D	.35	: .37
lc/l wks. ....100D	.70	: .90	drums, extra and returnable.			Ton lots, bbls, wks. ....D	...	: .35
Drums, c/l wks. ....100D	.60	: .80	Amyl, see Oil Fuel					
Tank cars, wks. ....net ton	9.00	: 11.00	Butyl, 50 gal. drums. ....D	.45	: .50			
C. P. 175D chys.100D	...	: .09	Isobutyl, crude 50 gal. drums. gal			
			Refined, 10D can.D	2.00	: 2.50			

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Acetic Acid
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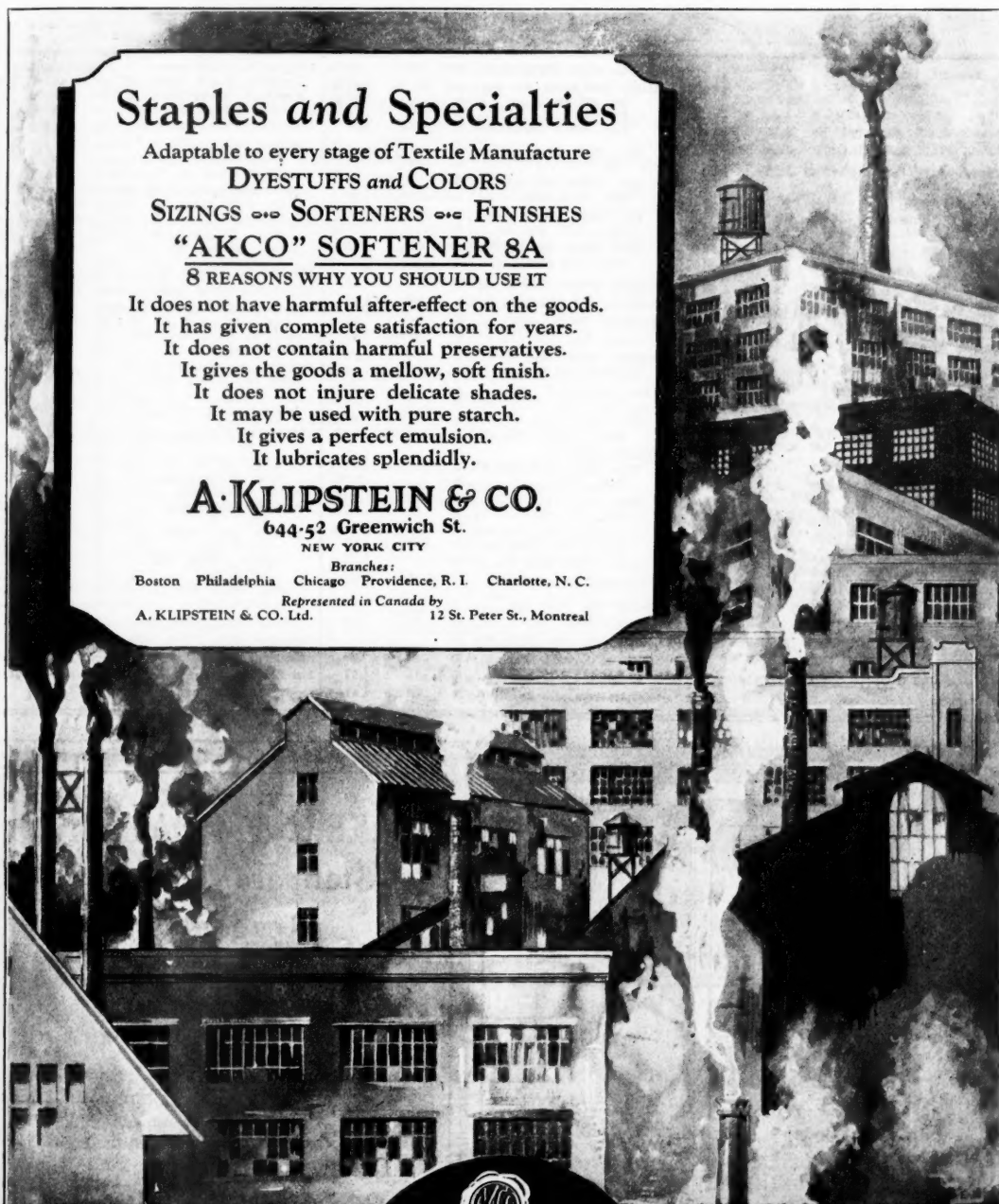
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Chemicals

ALUM, Ammonia, lump 400 lb bbls.			AMMONIA anhyd. 100 lb cyl.... lb			AMMONIUM—(Continued)		
Wks. ....100 lb	3.50	3.65	Water, 26° 800 lb dra. wks. lb	...	.07 1/2	Persulfate, 112 lb cases.... lb	.40	.45
Imp., 500 lb casks....100 lb	...	...	Dra. c/l wks. lb	...	.07 1/2	Phosphate, dibasic 200 lb bbls. lb	.35	.36
Ground, 400 lb bbls. wks.100 lb	3.65	3.75	C.P., chys. lb	...	.14	Tech., powd. 325 lb bbls.... lb	.15	.17
Powd., 350 lb bbls. wks.100 lb	3.90	4.00	Imp., 800 lb dra. incl. spot. lb	...	.06 1/2	Salicylate, USP 100 lb kegs.... lb	...	.58
Chrome 500 lb cks wks.100 lb	5.50	6.00	26° 100 lb chys. lc/l wks. lb	...	.08 1/2	Sulfate, bulk c/l wks....100 lb	2.70	2.80
Potash, lump 400 lb bbls.	...	...	Chys., c/l wks. lb	...	.08 1/2	200 lb single bgs c/l wks.100 lb	2.80	2.90
Wks. ....100 lb	...	4.50	20° 800 lb dra. lc/l wks. lb	...	.08	200 lb double bgs, f.a.s.100 lb	2.85	3.15
Bbls. c/l wks. ....100 lb	...	4.25	Chys., lc/l wks. lb	...	.07 1/2	Sulfoyanide, tech. 100 lb kegs. lb	...	.50
Cont. bbls. c/l wks. ....100 lb	...	4.35	18° 800 lb dra. lc/l wks. lb	...	.05 1/2	CP, 25 lb jars. lb	...	.80
Imp. 650 lb cases s.p. ....100 lb	2.85	3.00	Chys., lc/l wks. lb	...	.07 1/2	Amyl Acetate, tech. 50 gal. dra. gal	4.85	4.75
Ground, 400 lb bbls. wks.100 lb	4.35	4.60	16° 800 lb dra. lc/l wks. lb	...	.04	90%, 5 gal. cans. gal	7.00	8.00
Imp. 650 lb casks....100 lb	3.00	3.25	Chys., lc/l wks. lb	...	.07	Alcohol, see Fuel Oil	...	...
Powd., 380 lb bbls. wks.100 lb	4.50	4.75	Ammonium Acetate, 100 lb kegs. lb	...	.40	ANILINE OIL, 900 lb dra. lb	.16	.17
Chrome, 700 lb cks wks.100 lb	5.50	6.00	Benzonate, USP, 1 lb bot. lb	.98	1.05	Aniline Salt 200 lb bbls. lb	.23	.24
Soda, grd. 400 lb bbls. wks.100 lb	...	4.00	Bifluoride, 300 lb bbls. lb	.23	.23	Anthracene, 40-45% 600 lb casks	...	...
Bbls. c/l wks. ....100 lb	...	3.50	100 lb kegs. lb	.23	.24	Wks. lb	.12	.17
Aluminum, metal, c/l NY....100 lb	25.50	26.00	Bromide, 50 lb boxes. lb	...	.23	80-85%, 600 lb casks wks.... lb	.75	1.00
Chloride, anhyd. 275 lb dra. lb	.20	.22	Imported, 112 lb boxes. lb	.17 1/2	.18 1/2	28-30%, Imp. lb	...	.05
30% sol. 120 lb chys. lb	.03 1/2	.04	Carb., tech. 560 lb casks.... lb	...	.10	Anthraquinone, subbl. 125 lb bbls. lb	1.00	1.10
Hydrate 96% light 90 lb bbls. lb	.18 1/2	.20	Powd., tech. 385 lb bbls. lb	...	.09	30% paste 350 lb bbls. lb	...	...
Heavy, 62-64%, 220 lb bgs lb	.06	.06 1/2	USP, lump, 100 lb kegs.... lb	...	.09 1/2	Antimony metal, slabs ton lots 100 lb	8.75	9.00
SULFATE, Iron-free bags c/l	...	...	Powd., 100 lb kegs. lb	...	.10 1/2	Needle Powd., 100 lb cases.... lb	.08	.09 1/2
Wks. ....100 lb	2.40	2.50	Chloride, Domestic	...	...	ANTIMONY CHLORIDE, anhyd 1000 lb	...	...
Imported, spot. ....100 lb	2.20	2.50	White gran. 250 lb bbls. NY. lb	...	.08	Dra. lb	...	.35
Comm'l., 3/4% iron, bags c/l	...	...	Bbls., c/l wks. lb	...	.07 1/2	50 lb crocks. lb	.45	.48
Wks. ....East 100 lb	...	1.40	Gray 250 lb bbls, wks.... lb	.08 1/2	.08 1/2	Sol'n, 130 lb carboys. lb	...	.11
Cont. bgs. c/l wks. E.100 lb	...	1.40	Bbls., c/l wks. lb	.08	.08 1/2	Oxide, 500 lb bbls. lb	.08 1/2	.09
Bags, c/l wks. W....100 lb	...	1.35	Imp. wh. 600 lb cases spot. lb	.06 1/2	.06 1/2	Salt, dom. 500 lb bbls. lb	.24	.25
Bbls., c/l wks. East.100 lb	...	1.35	Gray, 600 lb cases spot. lb	.07 1/2	.08	Imp., NY. lb	.19	.20
Bulk, c/l cont. wks. E.100 lb	...	...	Lump, 500 lb casks spot. lb	.14	.15	Sulfuret, golden 500 lb bbls.... lb	...	.21
Amidol, (see Diaminophenol)	...	...	Ichthyolate, as to brand. lb	4.25	5.00	336 lb kegs. lb	...	.19
Amidopyrine, 10 lb boxes. lb	4.60	5.00	Iodide, USP, 25 lb jars. lb	...	5.20	Crimson, 500 lb bbls. lb	...	.38
1 lb cartons, 10 lb lb	...	...	Lactate, 500 lb bbls. lb	.15	.16	336 lb kegs. lb	...	.36
Aminooazobenzene, 110 lb kegs.... lb	...	1.15	Nitrate, tech. crys. 225 lb bbls lb	...	...	Red, 500 lb bbls. lb	...	.45
			Refined Crystals, bbls. lb	.18	.20	336 lb kegs. lb	...	.42
			CP gran. 100 lb kegs. lb	.35	.37	Tartrolactate, 500 lb bbls.... lb	...	.45
			Oxalate, pure, 100 lb kegs.... lb	.40	.42	Antipyrine, USP, 100 lb cases.... lb	2.35	2.50
						Apomorphine Hydrochloride, 1/4 oz. via. oz	19.10	19.35
						Arecoline Hybromide, 1 oz. vial. oz	9.00	10.50
						Argols, red powd. 350 lb bbls.... lb	.06 1/2	.07

Benzaldehyde
Benzyl Chloride
Calcium Chloride
Methyl Salicylate
Protective Paints
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Sodium Nitrite
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Chemicals

Arsenic, metal 220 lb kegs.....lb	..	: .45	Benzidine Base, dry 250 lb bbls..D	..	: .84	BISMUTH—(Continued)		
Red, 224 lb kegs cases.....lb	..	: .15	10 bbl. lots.....lb	..	: .82	Subiodide, 5 lb lots.....lb	..	: 4.70
White, 550 lb bbls., c/1 NY.....lb	..	: .13	Benzidine Sulfate, paste 350 lb	..		Subnitrate, USP, 250 lb bbls.....lb	..	: 2.90
Asbestine.....ton	16.00	: 18.00	bbls.....lb	..	: .72	Second Hands, bbls. or less..lb	..	: 3.80
Aspirin, see Acid Acetylsalicylic			Benzol, see Benzene			Cones, 1 lb bot.....lb	..	: 3.95
Atropine Alk. USP, 1 oz. vial.....oz	7.50	: 8.00	Benzonaphthol, 5 lb boxes.....lb	3.50	: 3.60	Subsalicylate, USP, 175 bbls..lb	..	: 3.10
Sulfate, 5 oz. cans.....oz	..	: 4.00	Benzoyl Chloride, 500 lb drs.....lb	..	: 1.00	Tannate, 1 lb bot.....lb	..	: 2.73
Single ounce.....oz	..	: 4.17	Benzyl Acetate, 100 lb cys.....lb	1.40	: 1.50	above on basis 25 lb lots		
BARIUM BINOXIDE, see Barium dioxide			Alcohol, 5 lb bot.....lb	1.60	: 1.70	Smaller lots at an advance.		
Carbonate, precip., 800 lb bbls.			Benzoate, 5 lb bot.....lb	1.50	: 1.60	Blanc Fixe, dry 400 lb bbls, wks.ton	75.00	: 80.00
wks.....ton	..	: 70.00	Medicinal PFC.....lb	1.75	: 1.85	Imported, bbls.....ton	70.00	: 73.00
Precip., 200 lb bgs, wks.....ton	..	: 70.00	Chloride, 95% tech. 925 lb drs..lb	..	: .25	Paste, 650 lb bbls.....ton	50.00	: 53.00
Imports, bbls., spot.....ton	..	: 72.00	100 lb cys.....lb	..	: .30	BLEACHING POWDER, 700 lb dra.		
Chloride, 800 lb bbls. wks.....ton	80.00	: 82.00	Redistil. 100 lb cys.....lb	..	: .45	c/1 wks.....100 lb	..	: 1.25
200 lb bgs. wks.....ton	..	: 80.00	Formate, 1 lb bot.....lb	4.00	: 4.25	Drums 1c/1 ex-warehouse.....100 lb	1.90	: 2.00
Import, bbls., spot.....ton	..	: 85.00	Berberine Hydrochloride, 1 lb bot.....lb	..	: 22.50	Contract, c/1 wks.....100 lb	..	: 1.25
Dioxide, 88% 690 lb drs.....lb	..	: .18	Sulfate, acid or neut. 1 lb bot..lb	..	: 22.00	F. a. s. c/1.....100 lb	..	: ..
Import, 83-85% 400 lb drs..lb	..	: .15	BETA-NAPHTHOL, 350 lb bbls,wks..lb	..	: .26	Imported, spot.....100 lb	..	: ..
Hydrate, 500 lb bbls.....lb	..	: .05	Carlota, wks.....lb	..	: .25	Rice Ointment, see Mercury		
Iodide, 5 lb box.....lb	..	: 5.15	Sublimed.....lb	..	: .60	Mass, see Mercury		
Nitrate, 700 lb casks.....lb	..	: .10	Beta-Naphthylamine, tech. 200 lb.	..		Bone Ash, 100 lb kegs.....lb	..	: .08
Import casks.....lb	..	: .08	bbls.....lb	..	: .76	Black, 200 lb bbls.....lb	..	: .08
Sulfoeyanide 400 lb bbls.....lb	..	: .35	Sublimed, 200 lb bbls.....lb	..	: 1.35	Borax, USP, crys. 400 lb bbls..lb	..	: .06
Barytes, coated 350 lb bbls.....ton	33.50	: 35.00	Bichloride Mercury, see Mercury Bichloride			Powdered, USP, 300 lb bbls..lb	..	: .06
Bay Rum, Porto Rican, genuine			BISMUTH metal, 150 lb cases...lb	2.50	: 2.60	Kegs, USP, 100-150 lb.....lb	..	: .06
Denat. salicy acid or tartar emetic			Second Hands.....lb	2.50	: 2.60	Bordeaux Mixture, powd. bbls..lb	..	: .15
45 gal. bbls.....gal	2.50	: 2.75	Ammon. Citrate, USP 5 lb bxs..lb	..	: 5.75	Paste, bbls.....lb	..	: .10
Denat. guanine sulf. 45 gal.			Betanaphtholate, 5 lb bxs.....lb	..	: 3.35	Borneol, 1 lb bot.....lb	..	: 3.50
bbls.....gal	2.65	: 2.75	Citrate, USP 5 lb bxs.....lb	..	: 3.15	Bromide, see potass. bromide, etc.		
Domestic synthetic, 50 gal.			Nitrate, 25 lb jars.....lb	..	: 2.00	Bromine, bot. in 60 lb ca. wks..lb	..	: .20
bbls.....gal	1.10	: 1.25	Oxychloride, 250 bbls.....lb	..	: 3.50	Bromobenzene, 600 lb drums....lb	..	: .42
Benzaldehyde, tech. 945 lb drs.			Phenolsulfonate, 5 lb cans.....lb	..	: 3.20	Bromoform, USP 5 lb bot 50 lb ca..lb	..	: 1.50
wks.....lb	..	: .75	Salicylate, 250 bbls.....lb	..	: 2.00	Brucine Sulfate, 100 ozs.....oz	..	: .20
USP, 40 lb cys.....lb	..	: 1.60	Subcarbonate, USP, 250 bbls..lb	..	: 3.40	Butter of Antimony, see Antimony Chloride		
PFC, 40 lb cys.....lb	..	: 1.60	X-Ray diag. 1 lb bot.....lb	..	: 3.80	CADMIUM, metal 100 lb bxs.....lb	1.20	: 1.35
BENZENE, 90% 8000 gal. tanks			Subgallate, USP, 175 lb bbls..lb	..	: 2.80	Bromide, 50 lb cases jars.....lb	..	: 1.10
wks.....gal	..	: .20				Iodide, 10 lb bot.....lb	..	: 4.45
110 gal. drs. wks.....gal	..	: .25				Sulfide, ca.....ton	1.50	: 1.60
Pure, Tanks, wks.....gal	..	: .22						
110 gal. drs. wks.....gal	..	: .28						

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Apomorphine Hydrochloride
Arecoline Hydrobromide
Atropine and Salts
Berberine and Salts
Brucine and Salts
Caffeine and Salts
Cocaine and Salts
Codeine and Salts
Colchicine Alkaloid, U. S. P.
Colchicine Salicylate
Creosote, U. S. P.
Creosote Carbonate

Cumarin
Diacetylmorphine
Alkaloid and Hydrochloride
Digitalin Pure
Duboisine Sulphate
Emetine and Salts
Eserine and Salts
Guaiacol Liquid
Guaiacol Carbonate
Homatropine and Salts
Hydrastine and Salts
Hydrastinine Hydrochloride
Hyoscine Hydrobromide
Hyoscyamine and Salts
Morphine and Salts
Phenolphthalein

Pilocarpine and Salts
Potassium Guaiacol
Sulphonate "Alta" Brand
Salicin
Saponin Purified
Scarlet Red Medicinal
Genuine "Biebrich"
Silver Proteinate
Sodium Cacodylate
Sparteine Sulphate
Strophanthin
Strychnine and Salts
Theobromine and Salts
Veratrine and Salts
Yohimbin Hydrochloride

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Chemicals

CAFFEINE ALK, USP 5 lb cans..D		4.00	: 4.25	CAMPOR, Amer. ref. 250 lb							
Second Hands			3.90	bbls.93	Chalk, drop 175 lb bbls.....D		.04	: .03 1/2
Hydrochloride, 1 lb bot.....		7.12	: 7.32	2 1/4 lb slabs, 100 lb cs.....D			.04	Precip. light 250 lb cks.....D		.04	: .04 1/2
Sulfate, 1 lb bot.....			5.50	1 lb cakes, 100 lb cs.....D			.94 1/2	Precip. heavy 560 lb cks.....D		.03	: .04
Citrate, 25 lb cans.....		3.00	: 3.10	1 oz. tab., 1 lb ctns.			.95 1/2	Bulk		5.00	: 8.60
Hydrobromide, 1 lb bot.....D			4.75	100 lb cs.....			.98 1/2	Precip. English, 7 lb bags.....D			.07 1/2
CALCIUM Acetate, 150 lb bgs. c/l				1/2 oz. tab., 1 lb ctns.			.99	Charcoal, Bone, see bone black			
100 lb			4.00	100 lb cs. ....			.99	Wood, powd. 100 lb bbl.....D		.04	: .05
Arsenate, 100 lb bbls. c/l wks..D		.13	: .15	Jap ref 2 1/4 lb slabs, 100 lb			.86	Willow, powd. 100 lb bbl.....D		.06	: .07
Bbls. lc/l wks.....		.15 1/2	: .18	cs. ....			.87	China Clay, Dom., crude.....ton		6.00	: 8.00
Bromide, 100 lb cs.....			.44	1 oz. tab., 100 lb cs. 1 lb			1.01	Washed & Ground		7.50	: 12.00
Carbide, 220 lb dr. c/l wks..			.04 1/2	tins			1.03	Imp., Filler Clay		14.50	: 16.00
Drums lc/l wks.....			.05	1/2 oz. tab. 100 lb cs. 1 lb			1.03	Coating			25.00
Carbonate, tech. 100 lb bgs			1.00	tins			1.03	Chloral Hydrate, USP 100 lb drs..D		.70	: .75
c/l			1.10	Chinese ref. 2 1/4 lb slabs 100 lb			.90	25 lb jars .....		.75	: .80
USP, precip. 175 lb bbls..			.04	cs. ....			.72	Chinoidin, 140 lb drs.....D			.55
Chloride, solid, 650 lb drs. c/l			24.50	Crude, 100 lb cs.....			.73	Chloramine-T, 5 lb bot.....D		1.25	: 3.50
f.o.b. NY			20.00	Camphor, Monobrom. 100 lb cs..D		1.75	: 1.85	Chlorocane, 5 lb bot.....D		.55	: .75
Imp.		18.00	: 20.00	Caramel, 50 gal. bbls.....gal		.60	: .62	Chlorhydrin, Ethylene anhyd. 600 lb			
Gran., 350 lb drs. c/l f.o.b.			30.50	Cartasol, 250 lb bbls.....		.75	: .80	drs. ....		.75	: .85
NY			30.50	Carbon Bisulfide, 500 lb dr., lc/l NY			.06 1/2	40% soln. 100 lb cys.....D		.25	: .30
Vials 330 lb drs. c/l f.o.b.			30.50	c/l drums, NY.....			.06	CHLORINE, Liquid 2000 lb cyl.			
NY			30.50	Carbon Black, 12 1/4 lb bgs. wks..		.12	: .16	c/l wks.....			.05 1/2
Anhyd., 350 lb drs. f.o.b. NY..D		.13	: .20	Carbon Tetrachloride, 1400 lb drs.			.10 1/2	Tank car lots, wks. Contract.....D		.05	: .08
Glycerophosphate, 250 lb bbls..D		1.50	: 1.60	NY .....		.09	: .09 1/2	100 lb cyl. c/l.....		.05 1/2	: .06
Hydrate, (see Lime)				700 lb drs. single NY.....		.10	: .10 1/2	100 lb cyl lc/l, ex-warehouse..D		.06	: .07
Hypophosphite, USP, 25 lb cans..		.60	: .65	Carmine, No. 40 5 lb boxes.....D		4.75	: 4.85	Chlorobenzene, mono. 1000 lb drs.			
Iodide, 5 lb bot.....			4.35	Casein, edib., 100 lb keg.....		.40	: .45	wks. ....		.11	: .12
Lactate, tech. 500 lb bbls.....D			12 1/2	Technical, 200 lb bbls.....		.12	: .12	Drs. c/l wks.....		.10	: .11
U.S.P. ....			.50	Castoreum, 1 lb boxes.....		4.00	: 4.50	Tank car lots wks.....			.09
Nitrate, 220 lb bbls. c/l NY ton			40.00	Caster Oil, USP 50 gal. bbl.....D			.14	CHLOROFORM, USP 50 lb drs..D			.35
Phosphate, tech. 350 lb bbls..		.09	: .10	Cases, 80 lb 2 tins.....			.15	Second Hands, 650 lb drs.....D		.32	: .33
Phosphate, precip. tribasic 200			.10	Tech., see Fixed Oils				Technical, 650 lb drums.....D		.32	: .33
lb bbls. wks.....			.11	Caustic Potash, see potash, caustic				Chromium Acetate, 20% soln. 400 lb			
Phosphate, mono.....			.07	Soda, see soda, caustic				bbls. ....		.08	: .10
Sulfocarbonate, 100 lb bgs.....D		.55	: .57	Cellulose Acetate, 100 lb cases..D		1.75	: 2.00	Fluoride, Ford., 400 lb bbls.....D			.80
Calomel, see Mercury				Cerium Oxalate, USP 100 lb bgs..			.43	Soln. 400 lb bbls.....			
				Sulfate, 400 lb bbls.....			.07	Sulfate, 400 lb bbls.....D		.07	: .09
				Chrysarobin, USP, 5 lb cans.....D		2.00	: 2.15	Chrysarobin, USP, 5 lb cans.....D		2.00	: 2.15
				Cinchonidin alk., pvd. 100 oz tinsox			.70	Cinchonidin alk., pvd. 100 oz tinsox			.70
				Crystal75	Crystal75
				Sulfate, 100oz. tins50	Sulfate, 100oz. tins50

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Chemicals

Cinchonidin alk., pvd. 100 oz. tinsos70	COPPER, metal electrolytic c/l			Diethyl Sulfate tech. 50gal.drs..b	.20	.35
Crystal	...	.43	NY	100lb	13.12	CP drums	.40	.50
Sulfate, 100 oz. tins	...	.35	Lake, c/l NY	100lb	13.25	Digitalin, Pure, 1 oz. vial.....os	10.00	10.35
Citrine Ointment, see Mercury			Casting, c/l NY	100lb	...	Dimethylaniline, 840b drs. wks.b	.39	.40
Coal Tar, Tks. & bbls., wks...gal	.06	.08	Carbonate, 400b bbls.....b	.17	.17%	Dimethylsulfate, 100b drs.....b	...	.50
Cobalt metal, 100lb kegs.....b	2.75	2.85	Chloride, 250b bbl.....b	...	.28	Dinitrobenzene, 400b bbls.....b	.19	.20
Cobalt Oxide, 500lb bbls.....b	...	2.10	Cyanide, 100b drs.....b	.46	.50	Dinitrochlorobenzene, 400b bbls..b	.19	.20
10b tins, 200b cases.....b	...	2.35	Iodide, 5b bot.....b	...	5.65	Dinitronaphthalene, 350b bbls..b	.32	.34
COCAINE alk., USP, 1 oz. vial...os	...	10.00	Oxide, red 1000b bbls. ton lots	.17	.18	Dinitrophenol, 350b bbls.....b	...	.40
Hydrochloride, USP—1 oz. vials,			Sub-Acetate, verd. 440b bbls..b	.23	.28	Dinitrotoluene, 300b bbls.....b	.19	.20
25 os.	...	7.07	SULFATE, crys. 450b bbls. lc/l			Dionin, see Morphine, Ethyl		
In 1/2 oz. vials.....os	...	7.50	spot	100lb	4.80	Diphenylamine, 250b bbls.....b	.48	.50
In crystals, granular, powder,			Carlots, bbls.f.o.b. NY 100b	4.60	4.70	Diphenylguanidine, 170b bbls..b	1.10	1.15
or flaky crystals as desired.			Carlots, bbls. delivered 100b	4.95	5.25	Dover's Powder, USP 5b tins.....b	2.20	2.30
Cocoa Butter, bulk, 200lb bales..b	.26	.26%	Imp. 550b cks.....100b	4.50	5.00	Duboisine Sulfate, 1 oz. vial.....os	...	55.00
Fingers, cakes, etc. 12b hrs..b	.34	.35	Powdered, 350b 5 bbls.....b	5.75	6.00	EARTH, Diatomaceous, see Kieselguhr		
CODEIN alk., 1 oz. vis. 10 oz.	...	8.62	Copperas, bulk c/l wks.....ton	18.00	20.00	Emetine, alk., 15 gr. vis.....os	...	1.65
Hydrobromide, 1 oz. vis, 10 oz.	...	6.92	400b bbls. c/l wks.....ton	23.00	25.00	Hydchlide, USP 1 oz. vial.....os	18.00	19.00
lots	...	6.92	200b bgs. c/l wks.....ton	21.00	23.00	15 gr. vials.....os	...	.82
Hydrochloride, 1 oz. vis, 10 oz.	...	7.77	Powdered, bbls.....100b	1.90	2.00	EPSOM SALT, tech. 300b bbls.		
lots	...	7.77	Sugar, 400b bbls.....100b	1.50	1.75	NY	...	2.15
Nitrate, 1 oz. vis, 10 oz. lots..os	...	7.77	Corn Syrup, 42 deg. 50 gal.			Bbls. c/l NY.....100b	...	2.00
Phosphate, 1 oz. vis, 10 oz.	...	6.47	bbls.	...	3.51	100b bgs. c/l NY.....100b	...	1.80
lots	...	6.47	43 deg. 50 gal. bbls.....100b	...	3.56	Imp. 220b bgs. c/l	...	1.10
Salicylate, 1 oz. vis, 10 oz.	...	6.47	45 deg. 50 gal. bbls.....100b	...	3.63	NT	1.00	1.10
lots	...	6.47	Corrosive Sublimite, see Mercury Bichloride			USP, 300b bbls, 10 bbls. 100b	...	2.50
Sulfate, 1 oz. vis. 10 oz. lots..os	...	6.92	Cotton Soluble, 100lb bbls. wet..b	.40	.42	Carlots, bbls. ....100b	2.10	2.15
Small Sizes, 1/2 oz. vials, 50c extra,			Coumarin, 25b tins.....b	4.50	4.65	Imported, 400b bbls..100b	...	2.00
1/4 oz. 25c extra, singles 7c extra			Second Hand	...	4.45	100b kegs .....100b	2.25	2.50
per oz.—25 os. lots, 10c os. cheaper			CREAM TARTAR, USP, 300b			Ergotin, Bonjean, 1lb jars.....b	6.00	6.35
than above. Less than 10 ozs. 15c os.			bbls.	...	.25%	Eserine alk., 1 oz. vial.....os	...	30.00
higher than above.			Imp. powd. USP, 224 bbls....b	.23%	.24	Salicylate, USP 1 oz. vial.....os	...	22.00
COD LIVER OIL, Norwegian, 30 gal.			Creosote, USP, 42b clys.....b	.40	.42	Sulfate, USP VIII, 1 oz. vial.os	...	17.00
bbls.	24.00	25.00	Carbonate, 1lb bot. 25b.....b	1.80	2.00	ETHER, USP 55b drums.....b	...	.13
Newfoundland, 30 gal. bbls..bbl	...	...	Creosote Oil, 50 gal. drs.....gal	.20	.22	Anaesthesia, 55b drums.....b	...	.16
Colchicine alk., USP 1 oz. vial...os	...	30.00	Cresol, USP 400b drums.....b	.24	.20	USP, 1880 55b drums.....b	...	.58
Salicylate, 1 oz. vial.....os	...	45.00	Cyanamide, bulk c/l wks, Amm.unit	...	2.25	Washed, 55b drums.....b	...	.30
Collodion USP 30b drums.....b	...	.22	DIAMINOPHENOL, 100b kegs..b	...	3.80	Motor, 1b cans .....b	.24	.27
Ethyl Benzyl Aniline, 300b drs..b	...	1.30	Dianisidine, 100b kegs.....b	...	4.60	Ether, Nitrous, 1lb bot.....b	.02	.05
			Dichlorobenzene, 1000b drs.....b	.06	.07	Ethyl Benzyl Aniline, 300b drs..b	...	1.30
			Diethylaniline, 850b drs.....b	.45	.55			
			Diethyl Phthalate, 25b cans..b	.55	.65			
			1000b drs.b	.45	.50			

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Ethyl Acetate, 98%, 50 gal. drs. gal	1.25	: 1.28	Gelatin, USP silver bbl. 100 lb. ca. lb	.85	: .90	Hydrastine Hydrochloride, USP 15 gr. vials	2.40	:
85-90% Ester, 50 gal. drs. gal	...	: 1.13	Gold Label, 100 lb. cases	...	: ...	Hydrobenzene, 100 lb. kegs	1.30	: 1.35
Carlots, drums	...	: 1.10	Technical, 100 lb. ca.	.60	: .65	HYDROGEN PEROXIDE, 25 vol. 400 lb. bbls.	...	: .10
Tanks Cars	...	: 1.05	GLAUBER'S SALT, tech. 200 lb. bags	1.15	: 1.25	100 vol, 145 lb. chys.	...	: .40
Refined, drums	1.87	: 2.00	1c/l wks.	...	: ...	USP Soln. 375 lb. bbls.	.05	: .05%
Bromide 115 lb. drs.	...	: .40	350 lb. bbls. c/l wks.	1.30	: 1.35	100 vol, 145 lb. chys.	...	: .35
Chloride, 15 lb. cyl.	...	: .35	Bbls. 1c/l wks.	1.50	: 2.00	USP bot. 4 oz. cases	8.00	: 8.25
Methyl Ketone, 50 gal. drums. lb	.25	: .25%	Imported, bbls. spot.	.85	: .90	Bot. 8 oz. cases	11.75	: 12.00
Morphine, see Morphine, Ethyl	...	: ...	USP, 300 lb. bbls. imp. sp. 100 lb	...	: 1.25	Bot. 16 oz. cases	10.75	: 20.00
Ethylene Bromide, 600 lb. drs.	...	: .60	USP, 300 lb. bbls. c/l wks. 100 lb	...	: 1.75	Hyoscyanine Alk. Cryst., 1 oz. vial. oz	...	: 35.00
Glycerol	.65	: 1.00	Calcined, see Sodium Sulfate	...	: 1.40	Hyosine Hydrobrom. USP 1 oz. vial	...	: 21.00
Chlorhydrin, anhyd. 50 gal. drs. lb	.75	: .85	Glucose, (Grape Sugar) dry, 100 70° bags. c/l NY.	...	: 3.41	Five ozs., 1 oz. vials	...	: 20.50
40% Solution, 50 gal. bbls. lb	.25	: .30	Syrup, Drs. & bbls. c/l NY 100 lb	3.51	: 3.70	Gyosamine Alk. Cryst., 1 oz. vial. oz	...	: 35.00
Dichloride, 50 gal. drs.	.30	: .25	1c/l NY	3.61	: 3.90	Alkaloid, Amorphous, 1 oz. vial. oz	...	: 75.00
Ethylideneaniline	...	: .70	GLUE, pure white, bbls.	.30	: .35	Hydrobromide, USP 1 oz. vial. oz	...	: 60.00
Eucalyptol, 25 lb. cans.	.80	: .85	Medium white, bbls.	.25	: .30	Sulfate, 1 oz. vial	...	: 35.00
Feidspar, bulk	20.00	: 25.00	French, bbls.	.18	: .25	INOL, C. P. 1 oz. bot.	6.00	: 6.50
FERRIC CHLORIDE, tech. crys.	...	: ...	High Grade, bbls.	.35	: .40	Iodine, see Potas. Iodide, etc.	...	: ...
475 lb. bbls.	...	: .05	Rene, regular, bbls.	.10	: .12	100 lb. crude, 200 lb. kegs	3.92	: 4.01
Imported	...	: .07%	Fish, bbls.	1.50	: 1.75	Resublimed, 10 lb. jars	...	: 4.55
USP, crys. 100 lb. kegs	...	: .05	GLYCERIN, C. P. 550 lb. drums. lb	.16%	: .17	Tincture, USP, 50 gal. bbls. gal	4.25	: 4.35
Imported	...	: .05%	Cans, 50 lb	.18	: .18%	Carboys	4.45	: 4.55
Neut. Sol'n 40° 140 lb. chys.	...	: .04	Dynamite, 100 lb. drs.	.15%	: .16	Iodoform, powd. 10 lb. bot.	...	: 6.00
45°, 140 chys.	...	: .04	Saponification, tanks	.12%	: .13%	Crystals, 10 lb. bot.	...	: 7.00
USP Sol'n 125 lb. chys.	...	: .09%	Soap, Lye tanks	.10%	: .11	Iridium, metal 100z lots	...	: 250.00
Ferrous Chloride, crys. tech.	...	: ...	Goa Powder, see chrysarbin	15.00	: 35.00	Iron, metal by hydrogen 1 lb. bot. lb	.80	: 1.00
475 lb. bbls.	.06	: .06%	Graphite, crude 220 lb. bags	.05	: .09	IRON & AMM. CITRATE, USP 25 lb. cans	...	: .84
Ferrous Sulfide, 1000 lb. bbls. 100 lb	2.50	: 3.00	Flake, 500 lb. bbls.	.04	: .05	Green scales, 25 lb. cans	...	: .84
Flake White, see lead, white	...	: ...	Ground, lump, bbls.	2.45	: 2.60	Cacodylate, 10 lb. bot.	6.50	: 6.75
Fluorspar, 95% 220 lb. bps. ex	...	: 25.00	Guaiacol Liquid, USP, 25 lb. cans. lb	...	: 18.00	Citrate, USP VIII 25 lb. cans	...	: .99
dock	...	: 33.50	Carbonate, 5 lb. boxes	4.80	: 5.00	Chloride, see ferric or ferrous	...	: ...
96% bps.	...	: 33.50	HAARLEM OIL, Dom. 6 gr. ca. gross	...	: 3.50	Hypophosphite, 5 lb. cans	1.50	: 1.60
98% bps.	...	: 35.00	Imported, 5 gr. cases	5.15	: 5.25	Syrup, USP VIII	...	: .30
FORMALDEHYDE, USP 400 lb. bbls.	...	: ...	Halasone, 5 lb. bot.	2.75	: 3.25	Iodide, 1 lb. bot.	...	: 4.20
c/l wks.	...	: .10%	Hexamethylenetetramine, USP	.75	: .77%	Syrup, USP 5 lb. bot.	.35	: .38
Carboys, 100 lb. 1c/l wks.	.11%	: .12%	Imported	.68	: .70	Nitrate, kegs	.09	: .10
Bbls., 400 lb. 1c/l wks.	.11%	: .11%	Rubber Makers, Impalp. Pd	.82%	: .85	Com'l, bbls.	2.75	: 3.25
Second Hands	...	: .10%	100 lb. drums	...	: ...	Oxalate scales 25 lb. cans	.85	: .88
Fossil Flour	...	: .64	Homotropine Hydrobrom. USP 1 oz. vial	...	: 16.00	Oxide red, Spanish	.47	: .50
Formalin	...	: .50	Five ozs., 1 oz. vials	...	: 15.00	& Ammon. Oxalate 25 lb. bps. lb	.45	: .47
Fuller's Earth, 200 lb. bps. c/l	15.00	: 17.00	Hydrastine Alk. USP, 1 oz. vial. oz	...	: 20.00	& Potassium Oxalate, 25 lb. bps. lb	.41	: .43
mines	35.00	: 40.00	Hydrochloride, USP, 1 oz. vial. oz	...	: 20.00	Phosphate, USP 25 lb. cans	...	: .89
Imported, 230 lb. bags NY	...	: 4.30	Sulfate, 1 oz. vial	...	: 22.00	Pyrophosphate, USP 25 lb. cans	.94	: .96
Fusel Oil, refined, 100 gal. drs. gal	...	: ...						
Crude, 100 gal. drs.	...	: 4.30						
G SALT, paste 350 lb. bbls. basis	.60	: .65						
100%	...	: ...						

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Chemicals

JALAP RESIN, lump 5 lb tins...D	3.25	: 3.35	Linalool, 5 lb bot.....D	5.50	: 6.50	Manganese—(continued)		
Powd. tins.....D	3.40	: 3.50	Litharge, see lead oxide			Glycerophosphate, 5 lb tins....D	...	: 2.85
KIESELGUHR, 90 lb bags NY...ton	60.00	: 70.00	Lithium Carb. USP, 100 lb kgs..D	1.50	: 1.60	Hypophos. USP VIII 5 lb cans..D	...	: 1.65
LANOLIN, see Adeps Lanæ			Bromide, 100 lb cs.....D	1.75	: 1.85	Iodide, 1 lb bot.....D	...	: 6.40
LEAD, metal c/l NY.....100 lb	7.25	: 8.00	Citrate, USP 100 lb kgs.....D	1.70	: 1.75	Ore, bulk NY.....unit	.40	: .45
Acetate, white crystals 500 lb			Iodide, 5 lb bot.....D	...	: 5.40	Sulfate, 600 lb cans NY.....D	.10	: .11
bbls. wks.....D	...	: .14	Lithopone, 400 lb bbls, 1c/l wks..D	...	: .07 1/2	Marble Flour, bulk.....ton	10.00	: 12.00
100 to 250 lb kgs. wks..D	...	: .14 1/2	Bbls. c/l wks.....D	...	: .08 1/2	See also Calcium Carbonate		
White, broken, bbls. wks.100 lb	...	: 13.40	Bags, c/l wks.....D	...	: .06 1/2	MENTHOL, USP, 60 lb cans....D	...	: 11.00
White, gran., bbls., wks.100 lb	...	: 13.65	Imported, 400 lb bbls.....D	.06	: .06 1/2	Less cases, 5 lb tins.....D	...	: 11.50
White, powd., bbls. wks.....D	...	: .14 1/2	Litmus Cubes.....D	.90	: 1.00	MERCURY, metal 75 lb flask..flask	60.50	: 61.00
Kegs. wks.....D	...	: .15 1/2	MAGNESITE, crude.....ton	...	: 15.00	Less Flasks, 5 lb fugs.....D	1.02	: 1.04
Brown, broken, bbls. wks.....D	...	: .15 1/2	Calcined, 500 lb bbls.....ton	...	: 55.00	Bichloride, cryst. 25 lb bxs....D	...	: 1.17
USP, 100 lb kgs.....D	...	: .17	Magnesium mtl., sticks 100 lb cs..D	1.35	: 1.30	Gran. powd., 200 lb kgs.....D	...	: 1.02
Arsenate, 100 lb bbls, 1c/l wks..D	...	: .20	Carb. tech. 70 lb bags NY....D	.08	: .08 1/4	Bisulfate, 25 lb boxes.....D	...	: .86
Bbls. c/l wks.....D	19 1/2	: .25	75 lb bbls. NY.....D	.08 1/2	: .09	Blue Mass. 25 lb boxes.....D	...	: .62
Paste, 600 lb bbls.....D	.12	: .13	USP, 60 lb bbls.....D	.10	: .11	Powdered, 25 lb boxes.....D	...	: .64
Iodide, USP VIII 5 lb bot....D	3.20	: 3.40	USP, blocks 100 lb ca. 1, 2, 4	.19	: .23	Blue Ointment, USP 25 lb cans	...	: .77
Nitrate, 500 lb bbls. wks.....D	...	: .22	Chloride, fused 575 lb dra. c/l	...	: 34.00	50%.....D	...	: .57
Oxide, litarge, 500 lb bbls..100 lb	10.90	: 11.15	wks.....ton	...	: 36.00	USP, dilute 25 lb cans 30%..D	...	: .67
100 lb kgs. wks.....D	...	: .14 1/2	Flaked, 350 lb dra. wks c/l ton	...	: 26.00	33 1/3% Mercury.....D	...	: 1.25
Oxide, red 500 lb bbls. wks....D	11.40	: 11.65	Imp., fused 900 lb bbls NY ton	26.00	: 28.00	Calomel, 50 lb bxs.....D	...	: .50
100 lb kgs wks.....D	...	: .14 1/2	Fluocillate, crystals 400 lb bbls.	...	: .12	Citrine Ointment 25 lb jars..D	...	: 4.00
Peroxide, 100 lb drs.....D	...	: .26	wks.....D	...	: .07	Iodide, green 25 lb jars.....D	...	: 4.10
White, basic carb. 500 lb bbls.	...	: .09 1/2	30% soln. 500 lb bbls. wks..D	...	: .06	Red, USP 25 lb jars.....D	...	: 4.00
Bbls. c/l wks.....100 lb	...	: .09 1/2	Soln. bbls. c/l wks.....D	...	: 3.15	Yellow, USP VIII 25 lb jars..D	...	: 1.38
100 lb kgs wks.....D	...	: .14 1/2	Glycerophosphate, 5 lb tins....D	...	: 1.15	Red Precip. USP 25 lb bxs....D	...	: 1.48
White, sulfate 500 lb bbls. wks..D	...	: .09 1/2	Hypophosphite, 5 lb cans.....D	...	: .42	Powder, USP 25 lb bxs.....D	...	: 1.49
Bbls. c/l wks.....100 lb	...	: .09 1/2	Oxide, USP light 100 lb bbls..D	...	: .50	White Precip. USP 25 lb bxs..D	...	: 1.54
Licorice Ext. Mass. cases.....D	.25	: .26	USP, heavy 250 lb bbls.....D	...	: 2.15	Powder, USP 25 lb bxs.....D	...	: .62
Compound powder, bbls.....D	.11	: .13	Perborate, 5 lb cans.....D	...	: 2.25	With chalk, USP 25 lb bxs....D	...	: .80
Powdered.....D	.38	: .40	Perborate, 1 lb tins.....D	...	: .67	Meta-Nitraniline.....D	.78	: .80
Sticks, 1 oz. 100 lb cases....D	.45	: .50	Salicylate, 100 lb kgs.....D	...	: .10	Meta-Nitro-para-Toluidine, 300 lb	...	: 2.20
LIME (Salts, see Calcium Salts)			Sulfate, see Epsom Salts			bbls.....D	...	: .95
Live, 325 lb bbls. ton lots, wks..D	...	: .01 1/2	Manganese Chloride, 600 lb csk.	...	: .24	Meta-Phenylenediamine, 300 lb	...	: .98
Single bbl. wks.....D	...	: .01 1/2	NY.....D	...	: .35	bbls.....D	...	: .89
Hydrated, 167 lb bbl, ton lots,	...	: .01 1/2	Borate, 30%, 200 lb bbls....D	...	: 80.00	Meta-Toluylenediamine, 300 lb	...	: .90
wks.....D	...	: .01 1/2	100 lb kgs.....D	...	: 85.00	bbls.....D	...	
Single bbl. wks.....D	...	: .03 1/2	Dioxide, 80-84% 900 lb bbls.	...	: 85.00			
Oyster Shell, 150 lb bbl. single..D	...	: .03 1/2	NY.....ton	...	: 90.00			
125 lb bag.....D	...	: .08	85-90%, 900 lb bbls. NY ton	...	: 90.00			
Sulfur, dry 200 lb dra. NY....D	...	: .10 1/2	Hydrated, precip. 100 lb kgs..D	...	: .32			
Dra. c/l NY.....D	...	: .15						
33° Soln. 50 gal. bbls. NY gal	...	: .18						

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Chemicals

METHANOL (Wood Alcohol)			NAPHTHA , Solvent, 110 gal. drs.			PALLADIUM , metal 10 oz. lots..oz		
95%, tanks.....gal	...	.85	Wks.....gal	...	.23	Pancreatin, USP 5 lb bot.....lb	1.25	1.40
Drums, c/l.....gal	...	.87	8000 gal. tank cars wks.....gal	...	.23	Papain, 10 lb bot. USP, Powd.....lb	2.15	2.25
Drums, 1c/l.....gal	...	.88	NAPHTHALENE , Flake, 175 lb bbls.	...		Crude, 150 lb cases.....lb	1.85	1.90
97%, tanks.....gal	...	.88	Wks.....lb	...	.07	Paraffin, ref'd 200 lb cs. slabs		
Drums, c/l.....gal	...	.90	Bbls. c/l wks.....lb	...	.06 1/2	120-125 Deg. M. P.....lb	.03 1/4	.03 1/4
Drums, 1c/l.....gal	...	.93	Bbls., second hands NY.....lb	...	.07	125-130 Deg. M. P.....lb	.04	.04 1/4
Pure, Acetone free, tks.....gal	...	.90	Balls, 250 lb bbls. wks.....lb	...	.08	130-135 Deg. M. P.....lb	.04	.04 1/4
Drums, c/l.....gal	...	.92	Bbls. c/l wks.....lb	...	.08	135-140 Deg. M. P.....lb	.05	.06 1/4
Drums, 1c/l.....gal	...	.95	Bbls., second hands NY.....lb	...	.08	Para-Aminoacetanilid, 100 lb		
Balls incl. 5c higher			Crushed, chipped, bgs., wks.....lb	...	.05 1/4	kegs.....lb	1.05	1.15
Methyl Acetone, 100 gal. drums.gal	1.17	1.20	Crude, imp., bags.....lb	...	.02 1/4	Para-Aminophenol, 100 lb kegs.....lb	1.25	1.30
Tank cars.....gal	...	1.15	Nickel Metal, electrolytic 100 lb	...		Hydrochloride, 100 lb kegs.....lb	1.40	1.50
Chloride, 90 lb cyl.....lb	...	.50	kegs.....lb	...	.30	Para-Dichlorobenzene, 50-300 lb bbls.		
Salicylate, USP, 50 lb cases.....lb	...	.47	Ingots, 100 lb kegs.....lb	...	.39	Wks.....lb	.17	.20
500 lb drums.....lb	...	.45	Salt, single 400 lb bbls. NY.....lb	...	.11	25-50 lb kegs.....lb	.18	.22
Second Hands, cases.....lb	...	.43	Double, 400 lb bbls. NY.....lb	...	.10	Paraldehyde, 100 gal drs.....lb	...	.35
Methylene Blue, tech. 100 lb kgs.....lb	1.00	1.50	Oxide, 100 lb kegs NY.....lb	...	.40	Paraformaldehyde, USP 100 lb cs. lb	...	.50
USP, medicinal 5 lb cans.....lb	2.25	2.60	Sulfate, 450 lb bbls.....lb	...	.06 1/2	Para-Nitroacetanilid, 300 lb		
Michler's Ketone, 225 lb bbls.....lb	...	3.75	Nitre Cake, bulk wks.....ton	5.50	6.00	bbls.....lb	.55	.60
Milk, powd. 150 lb bbls.....lb	...	.14	500 lb bbls.....ton	13.00	14.00	PARA-NITROANILINE , 300 lb bbls.		
Milk Sugar, see sugar of milk			Nitrobenzene, crude, 1000 lb drs.	...	.09	Wks. ton.....lb	.69	.74
Mineral Oil, see oil mineral			Wks.....lb	...	.09 1/4	Para-Nitrochlorobenzene, 1200 lb drs.	...	.30
Mineral Rubber.....ton	33.00	54.00	Redistilled, 1000 lb drs. wks.....lb	...	.10 1/4	Wks.....lb	.22	.30
Chloride, 90 lb cyl.....lb	...	.50	Nitronaphthalene, 550 lb bbls.....lb	...	.20	Para-Nitro-ortho-Toluidine, 300 lb		
Monochlorobenzene, see chlorobenzene			Nitrotoluene, mixed 1000 lb drs.	...	.14	bbls.....lb	2.75	2.85
Monochloroaniline, 900 lb drs.....lb	...	1.00	Wks.....lb	...	.15	Para-Nitrophenol, 185 lb bbls.....lb	.75	.80
Monomethyl paramidophenol sulfate			Ochre.....lb	...	.03 1/4	bbls.....lb	1.25	1.30
100 lb drs.....lb	...	4.00	Oil Fuel, see Fuel Oil			Para-Nitrotoluene, 350 lb bbls.....lb	.55	.60
MORPHINE Sulfate, USP 5 oz. tins	...	6.35	Orange Mineral, 800 lb casks NY.....lb	...	.15 1/4	Para-oxy-Benzaldehyde, 100 lb		
10 oz.....oz	...	6.35	500 lb bbls. NY.....lb	...	.15 1/4	kegs.....lb	1.50	1.60
Acetate, 5 oz. tins 10 oz. lots.....oz	...	6.35	Ortho-Aminophenol, 50 lb kegs.....lb	...	2.50	Para-Phenetidin, 500 lb drs.....lb	1.55	1.80
Hydrochloride, 5 oz. tins 10 oz. lots	...	6.35	Ortho-Anisidine, 100 lb drs.....lb	...	...	Para-Phenylenediamine, 350 lb		
Hydchlide, 5 oz. tins 10 oz. lots	...	6.35	Ortho-Dichlorobenzene, 1000 lb drs.	...	.06	bbls.....lb	1.40	1.50
Diaceetyl Alk., 3/4 oz. via. 10	...	10.20	Wks.....lb	...	.08	Para-Toluene-Sulfonamide, 175 lb		
oz.....oz	...	10.20	Ortho-Nitrochlorobenzene, 1200 lb	...	.35	bbls.....lb	.40	.41
Hydchlide, 3/4 oz. via. 10 oz. via.	...	9.25	drs. wks.....lb	...	1.25	Para-Toluene-Sulfonchloride, 410 lb		
Ethyl Hydchlide, 3/4 oz. via. 10	...	10.45	Ortho-Nitrophenol, 350 lb 3 bbls.....lb	...	.10	bbls. wks.....lb	.25	.30
oz.....oz	...	10.45	Ortho-Nitrotoluene, 1000 lb drs.	...	.13	Para-Toluidine, 350 lb bbls. wks. lb	.85	.90
Small Sizes: 3/4 oz. vials, 50c extra;			Ortho-Toluidine, 350 lb bbls.....lb	...	3.00			
3/4s 25c extra; single oz. via., 7c ex-			Oxgall, USP 5 lb bot.....lb	...				
tra, over price for 5 oz. tins. 25c ea.								
lots in 5 oz. tins, 10c ea. lower than								
above schedule. Less than 10 oz. lots								
15c ea. higher than above schedule.								
Musk Ambrette, 1 lb cans.....lb	14.00	15.00						

DU PONT

Phthalic Anhydride

WASTE of valuable storage space as well as expensive freight and handling costs are unavoidable when using ordinary grades of Phthalic Anhydride, which occur as long, bulky needle crystals.

We have developed a finely divided crystalline type that is especially suitable for making dyes or alcohol denaturants. It is unsurpassed in chemical purity and far superior in physical structure to any other brand.

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To remove objectionable color and odor from
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The Pure Carbon for Pure Products

Its distinctive features are:

- Exceptional Purity
- Great Capacity for Absorbing Impurities
- High Decolorizing Activity
- Marked Efficiency for Improving Odor and Flavor
- Remarkable Filtering Properties

Write us for further particulars

INDUSTRIAL CHEMICAL COMPANY
200 FIFTH AVENUE - - - NEW YORK

Chemicals

PARIS GREEN

Arsenic Basis, 500 lb kegs...	.28	: .38
Kegs, 100 lbs...	.28	: .30
Kits, 56, 28, 14 lbs...	.31	: .33
Packages, 5 and 2 lbs...	.32	: .33
Packages, 1 lb, 1/2, 1/4 lb...	.34	: .38

Paris White, see whitening, French

Papain, USP 5 lb bot...	2.25	: 2.50
PETROLATUM, green 300 lb bbls...	.02 3/4	: .03
Dark Amber 300 lb bbls...	.03 3/4	: .04
Light Amber, 300 lb bbls...	.04 1/2	: .05
Cream White, USP 300 lb bbls...	.07	: .07 1/4
Lily White, USP, 300 lb bbls...	.09	: .09 1/4
Snow White, USP, 300 lb bbls...	.12 1/2	: .13

Phenol, see also acid carbolice

American makers, drums wks...	.26	: .28
Open market, drs...	.26	: .28
240 lb des drs. wks...	.26	: .28

Natural 240 lb des drs. wks...

Imported, 336 lb des drs...	...	: ...
Phenolphthalein, USP, 100 lb drs...	1.40	: 1.50
5 lb cans, 100 lb lots...	1.50	: 1.60

Phenyl-Alpha-Naphthylamine 100 lb kegs...

Phenylethylalcohol, 1 lb bot...	8.75	: 8.75
Imported...	7.75	: 9.75
Phosgene, 100 lb cylinders...	...	: 1.00

Phosphorus Oxide, 175 lb cyl...

Phosphorus, red 110 lb cs. wks...	...	: .75
Imported, 112 lb cases...	...	: ...
Yellow, 110 lb cs. wks...	.35	: .40
Imported, 112 lb cases...	...	: ...

Phosphorus Trichloride, 175 lb cyl...

Phthalic Anhydride, 100 lb bbls...	.25	: .30
Pilocarpine Hydrochloride, USP 25 oz...	...	: 7.50
lots, 1 oz. vials...	...	: 7.50
Nitrate...	...	: 7.75
Single ounces...	...	: 7.75
Alkaloid, 15 gr. vials...	...	: .85

Piperazine Hydrate, 1 lb bot...

Pitch, Coal-Tar, wks...	30.00	: 33.00
Plaster Paris, tech. 250 lb bbls...	...	: 3.30
True Dental, 300 bbls...	...	: 4.50

Platinum, metal soft 10 oz. lots...

Podophyllin, 5 lb bot...	6.00	: 6.25
Second Hands...	5.50	: 5.75

POTASH, CAUSTIC, solid 88-92%

700 lb drs. wks...	...	: ...
Imp., 88-92% 700 lb drs. NY...	.08 1/2	: .07
USP, by alcohol 5 lb cans...	.48	: .48
cases...	.30	: .35

POTASSIUM Acetate, USP, 100 lb kegs...

Bicarbonate, crys. 220 lb bbls...	.11	: .12
wks...	.09 1/2	: .09 1/2
Bichromate, crys. 900 lb cases...	.09 1/2	: .09 1/2
Powd., 900 lb cases wks...	...	: .12
Binominate, 300 lb bbls...	.28	: .30
Bisulfate, C.P., 5 lb cans...	...	: .30
100 lb kegs...	...	: .22
Bromate, 100 lb cs...	...	: .45

BROMIDE, USP cryst. 450 lb bbls...

Granular, 300 lb bbls...	...	: .26
Cases 100 lb...	...	: .27
Imported, USP, 220 lb cs...	.16	: .17

CARBONATE, 80-85% calc.

800 lb cks...	.05 1/2	: .06
80-85%, hydrated, 800 lb cks...	.06 1/2	: .05 1/2
90-95% calc. cases...	.08	: .06 1/2
96-98% calc. cases...	.06 1/2	: .06 1/2
99% calc. cases...	.08 1/2	: .09 1/2
USP, 100 lb kegs...	.11	: .12
99% CP cases...	.13 1/2	: .14

POTASSIUM-(Continued)

Chlorate, crys. 112 lb kegs. c/l wks...	.08 1/2	: .08 1/2
Imp., 112 lb kegs NY...	...	: .08
Powd., 112 lb kegs wks...	.08 1/2	: .09
Imp., kegs NY...	...	: .07 1/2
Pyrotechnic, fine powd. NY...	.08	: .09
USP, fine crys. 110 lb kegs NY...	.08	: .09
Citrate, USP 10 lb cans...	.63	: .66
Cyanide 110 lb cases...	...	: .65
Glycerophosphate, 75% Soln. 25 lb tins...	1.60	: 1.70
Gualacol Sulfonate, 5 lb cans, 10 lb...	1.75	: 2.00
Hypophosphite, 10 lb cans...	.80	: .85
Iodide, USP, 100 lb cases...	3.75	: 3.85
Second Hands, cases...	...	: 3.65
Lactophosphate, 400 lb bot...	...	: .90
Metabisulfite, 300 lb bbls...	.13	: .23
Imp., 300 lb bbls...	...	: .15
Muriate, 80%, 200 lb bags, NY K ₂ O unit...	...	: .68
Nitrate, see Saltpetre	...	: ...
Oxalate, neutral, 100 lb kegs...	.40	: .45
Perchlorate, 112 lb kegs...	.09	: .10

PERMANGAN, USP, crys. 500 lb drs., wks...

Imp. 112 lb drs...	.15 1/2	: .16
Prussiate, red, 100 lb bbls...	...	: .52
500 lb cases...	...	: .50
Prussiate, yellow, 500 lb cases...	.23	: .24
Salicylate, 25 lb cans...	...	: .75
Sulfate, 200 lb bags, NY K ₂ O unit...	...	: .94
USP, VIII, 100 lb kegs...	.15	: .18
Sulfocyanide, CP 25 lb jars...	...	: .50
Tartrate, neutral, 100 lb kegs...	...	: .53
Titanium Oxalate 200 lb bbls...	.28	: .30

Largest producers of Pure Phthalic Anhydride in the world



SELDEN

99.99 + % Pure.

Brand PHTHALIC ANHYDRIDE

is the Product by which all other Brands may be Standardized.

IT-IS-PURE

Unless Phthalic Anhydride melted in a TEST TUBE, has the same colorless appearance as SELDEN BRAND, it contains foreign matter which proves it is *not* STANDARD.

It is possible that trouble in commercial or research work can be traced directly to the use of *impure* Phthalic Anhydride.

THE SELDEN COMPANY

Pittsburgh, Pa., U. S. A.

Chemicals

Pumice Stone, lump, 250 lb bbls. lb	.04 1/2	.08
Lump, bags	.03 1/2	.05
Powdered, 350 lb bbls. lb	.02 1/2	.03
Pyridine, 50 gal. drums. gal	4.00	4.25
QUICKSILVER, see Mercury		
Quinidine Alk., 1000s tins. oz	.75	
Sulfate, 1000s tins. oz	.50	
Quinidine, see Chinidine		
QUININE SULFATE, USP.		
American, 1000s tins. oz	.50	
1oz tins, 1000s lots. oz	.57	
Dutch, 1000s tins. oz	.50	
Java, 1000s tins. oz	.50	
Japanese, 1000s tins. oz	.50	
QUININE ALK., USP., 1000s tins. oz		
Acetate	.88	
Arsenate	.88	
Bismate	.88	
Bisulfate, USP	.50	
Citrate	.62	
Dihydride, USP	.66	
Dibromide	.66	
Dicarbonate, 100s tins. oz	2.50	
Ethyl Carbonate, 16oz. tins. oz	.95	
Ferrocyanide	.88	
Formate	.55	
Glycerophosphate	.88	
Iodide	.88	
Hydrobromide, USP	.62	
Hydrochloride, USP	.62	
Hydrochlorosulfate	.66	
Hydride & Urea, USP. lb	.88	
Hypophosphite	.88	
Lactate	.74	
Phenolsulfonate	.88	
Phosphate	.74	
Salticlate, USP	.63	
Tannate, USP	.45	

QUININE—(continued)

Tartrate	.88	
Valerate	.89	
Small Sizes: 1oz vials or cans,		
500s lots, 5c oz extra; 50s cans,		
500s lots 3c oz extra; 250s cans,		
500s lots, 2c oz extra; single 1oz		
vials or cans, 5c extra. All minor		
quinine salts sold and quoted basis		
1000s lots in 1000s cans. Sulfate		
and bisulfate sold basis 1000s		
lots in 1000s cans. Smaller orders		
or containers extra as above		
schedule.		
R SALT, 250 lb bbls. wks. lb	.55	.70
Red Lead, see lead oxide		
Red Precipitate, see mercury		
Resorcin, see resorcinol.		
Resorcinol tech, 100 lb kgs. lb	1.35	1.50
USP, 25 lb cans	2.25	2.35
Rochele Salt, USP, 225 lb bbls. lb	.20	.21
Imp. USP, 300 lb bbls. lb	.19 1/2	.20
Rosewater, triple, 5gal. demis. gal	.90	1.10
Rotten Stone, lump imp., bbls. lb	.07	.08
Lump selected, bbls. lb	.09	.12
Powdered, bbls. lb	.02	.05
Domestic, bags, minns. ton	24.00	30.00
SACCHARIN, USP, 1 lb cans, 25 lb		
Soluble, USP, 1 lb cans, 25 lb. lb	1.90	2.10
Saltin, USP, 1 lb cartons, 25 lb. lb	1.90	2.10
Sai Ammoniac, see Ammon. Chloride		
Saltin, USP, 100 lb drums. lb	5.00	5.25
Salt, Common, see sodium chloride	.80	.85
Salt Cake, c/l f.o.b. wks. ton	21.00	25.00
SALTPETRE, Double Refined		
Granular, 400-500 lb bbls. lb		
c/l wks	.06 1/2	
Less c/l works, bbls. lb	.06 1/2	
Large Crystals, 350-400 lb bbls. lb		
c/l wks	.08	
Small Crystals, 350-400 lb bbls. lb		
c/l wks	.07 1/2	
Powdered, bbls. c/l wks. lb	.07 1/2	
Imported, 500 lb bbls., NY. lb	.07	

Santonin USP, 1 lb bot. lb	150.00	158.00
Powd. 1 lb bot. lb		
Saponin, ex Quillaia, 5 lb tins. lb	1.00	1.25
Satin White, 500 lb bbls. lb		.01 1/2
Schaeffer's Salt, 250 lb bbls. wks. lb	.60	.65
Scopolamine, see hyoscyne.		
Seldita Mixture, 225 lb bbls. lb	.17	.18
SILICA		
Crude, bulk, minns. ton	10.00	12.00
Refined, flatted, bags. ton	18.00	30.00
Air flatted, bags. ton	32.00	50.00
Extra, flatted, bags. ton	55.00	65.00
SILVER, metal, American. oz		
Foreign		.99 1/2
Colloidal, 16oz bot. oz		.65 1/2
Silver Iodide, 16oz bot. oz		.68
Nitrate, USP, 2000s bot. oz	.43	.45
Nucleinate, 16oz bot. oz	.34	.38
Protein, 16oz bot. oz	.34	.38
Soap, Castile, 40 lb bbs. lb	.20	.25
Powd. USP, 250 lb bbls. lb	.28	.29
Green, USP, 150 lb kgs. lb	.07	.07 1/2
Soapstone, see Tale, crude		
SODA ASH, 58% light bgs. NY		
flat, ex-warehouse. 100 lb		1.94
Bbls., ex-warehouse. 100 lb		2.19
Contract, Basis 58% bags c/l		
wks. 100 lb		1.38
Prompt and spot, Basis 58% bags		
c/l wks. 100 lb		1.48
Soda Ash, 58% dense, bags ex-		
warehouse, NY 100 lb		2.01
Bbls., ex-warehouse. 100 lb		2.25
Contract, Basis 58% bags c/l		
wks. 100 lb		1.45
Prompt and spot, Basis 58% bags		
c/l wks. 100 lb		1.55
Prices on soda alkalies are based on actual		
percentages and not N. Y. & L. test.		
SODA, CAUSTIC, 76% solid, resale,		
NY flat 100 lb	3.30	3.50
76% solid drs. ex-warehouse		
NY 100 lb		3.68



MICHIGAN ALKALI CO.
Wyandotte, Mich.

SODA ASH
CAUSTIC SODA
BICARBONATE OF SODA

Sole Selling Agents
EDWARD HILL'S SON & CO.
21 East 40th Street, New York

"Distinguished for their High Test and Uniform Quality"



THE name may mean everything
—or nothing. In the purchase of

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there is no questioning Solvay.

A superior product—a fair price—
from the largest source of supply.

Solvay 58% Soda Ash

Dense—Light—Extra light (Fluf)

Solvay 76% Caustic Soda

Solid—Flake—Ground

Solvay Super Alkali ^{15%}_{36%—45%}

Solvay Snow Flake Crystals

Solvay Laundry Soda

Solvay Cleansing Soda

Solvay Tanners Alkali

Solvay Tanners Soda

Solvay Liquid Caustic Soda



The Solvay Process Company

Detroit, Mich. Syracuse, New York Hutchinson, Kan.

Sales Agent - Wing & Evans, Inc. - 40 Rector St., New York

Boston

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Chemicals

SODA CAUSTIC—(Continued)

Contract basis 76% c/l wks. 100 lb	...	3.10
Pmpt and spot, Basis 76% c/l wks. 100 lb	...	3.20
Contract 74% low grade c/l wks. flat 100 lb	...	3.02
Ground & base, 76% pmpt and pot, wks c/l drs. 100 lb	...	3.60
Contract, 76% drums, c/l wks. flat 100 lb	...	3.50
76% drs. ex-warehouse NY 100 lb	...	4.06
USP, stick, 10 lb cans. 100 lb	...	.19
Pure, stick, by alcohol. 100 lb	...	.25
SODIUM ACETATE, crys 450 lb bbls		
wks. 100 lb	...	.04%
Ton lots, bbls, wks. 100 lb	...	.04%
Imp. 500 lb cans. 100 lb	...	...
Aluminum Sulfate, see alum soda		
Bromate, USP, 100 lb bbls. 100 lb	...	.65
Bicarbonate, 400 lb bbls NY 100 lb	...	2.25
Bbls. c/l wks. 100 lb	...	2.00
112 lb kegs wks. 100 lb	...	2.25
112 lb kegs, NY. 100 lb	...	2.50
Bichromate, 600 lb casks wks. 100 lb	...	.08
Casks, c/l wks. 100 lb	...	.07%
Casks, NY. 100 lb	...	.07%
Bisulfite, dry powder, 500 lb bbls, wks. 100 lb	...	.04%
Solution, 32-40°, 500 lb bbls, wks. 100 lb	...	1.25
Bromate, 100 lb cs. 100 lb	...	.95
Bromide, USP, 450 lb bbls. 100 lb	...	.24
Cases, 100 lb 100 lb	...	.35
Imp. USP, 112 lb cs. 100 lb	...	.18
Cacodylate, USP, 5 lb bot. 25 lb	...	5.50
Carbonate, sal soda, 350 lb bbls lc/l NY. 100 lb	...	1.30
Works c/l 100 lb	...	1.10
Monohydrate, 400 lb bbl. lc/l 100 lb	...	2.45
Pure photographic, 100 lb keg	...	.08

SODIUM—(Continued)

Chlorate, 112 lb kegs, wks. 100 lb	...	.08%
Imported, 112 lb kegs. 100 lb	...	.08%
Chloride, tech. 200 lb bags. 100 lb	...	13.00
C. F. 300 lb bbls. 100 lb	...	.05
Citrate, USP, IX, 100 lb kegs. 100 lb	...	.62
USP, VIII, 100 lb kegs. 100 lb	...	.55
Cyanide, 96-98%, 100 lb cases wks. 100 lb	...	.23
Ton lots, wks. 100 lb	...	.23
73-76%, 100 lb cases, wks. 100 lb	...	.20%
125-128%, 200 lb cs. 100 lb	...	.20
120-125%, 200 lb cs. 100 lb	...	.19%
Fluoride, 350 lb bbls, NY imp. 100 lb	...	.09
Glyceropate, USP, crys 25 lb cans	...	1.65
Powder, 25 lb tins. 100 lb	...	1.70
Solution, USP 35 lb tins. 100 lb	...	1.00
Hydroxide, see Soda Caustic		
Hypochlorite, Soln, 100 lb cys. 100 lb	...	.05
14% soln, 50 lb cys. 100 lb	...	.04
Hydro sulfite, 200 lb bbls, fob, wks. 100 lb	...	.19
Hypophosphite, USP, 25 lb cans	...	.70
HYPOSULFITE, tech. pea crys.		
375 lb bbls, wks. 100 lb	...	2.90
Bbls. c/l wks. 100 lb	...	2.75
100 lb kegs wks. 100 lb	...	3.00
Imp. 100 lb	...	2.85
Granulated, bbls, wks. 100 lb	...	3.15
Bbls. c/l wks. 100 lb	...	3.00
Kegs wks. 100 lb	...	3.25
Regular crystals 100 lb	...	2.65
Iodide, USP, 25 lb jars. 100 lb	...	4.25
Metanilate, 150 lb bbls. 100 lb	...	.55
Naphthionate, 300 lb bbls. 100 lb	...	.60
Nitrate, crude, 95%, 200 lb bgs. c/l NY. 100 lb	...	2.52
Futures, NY. 100 lb	...	2.52
Double refined, 400 lb bbls gran. c/l wks. 100 lb	...	.04%
Nitrite, 500 lb bbls, wks. 100 lb	...	.07%
Bbls. spot, makers. 100 lb	...	.07%
Imp. 650 lb casks. 100 lb	...	.07%

SODIUM—(Continued)

Ortho-Chloro-para-Toluene Sulfonate, 175 lb bbls, wks. 100 lb	...	.25
Oxalate, neutral, 100 lb kegs. 100 lb	...	.40
Perborate, 275 lb bbls. 100 lb	...	.22
Imp., 225 lb drs. 100 lb	...	.18
Peroxide, 200 lb cases. 100 lb	...	.25
Phosphate, di-sodium, tech 550 lb bbls. 100 lb	...	.03%
USP, gran. 275 bbls. 100 lb	...	.07
Imp. gran. 100 lb	...	.05%
USP, recryst. 275 bbls. 100 lb	...	.10
Mono-sodium 100 lb kegs. 100 lb	...	.24
Tri-sodium tech. c/l, bbls. 100 lb	...	.04%
Picramate, 100 lb kegs. 100 lb	...	.60
Para-Toluene Sulfonate, 175 lb bbls. 100 lb	...	.08
PRUSSIAN, yellow, 250 lb bbls. 100 lb		
Imp. 450 lb cks. 100 lb	...	.11
Pyrophosphate, 100 lb kegs. 100 lb	...	.18
Salicylate, 100 lb kegs. 100 lb	...	.40
Second Hands, USP, kegs. 100 lb	...	.37
Silicate, 60° 700 lb bbls, f.a.s. NY. 100 lb	...	2.00
Works, 1000 lb drums. 100 lb	...	1.90
Works, tanks 100 lb	...	1.75
40° domestic, 700 lb c/l f.o.b. wks. 100 lb	...	.30
Works, 1000 lb drums. 100 lb	...	.82%
Works, tanks 100 lb	...	.75
Spot, drums, bbls. 100 lb	...	1.30
Silicofluoride, 450 lb bbls, NY. 100 lb	...	.06
Sulphate, see Glauber's Salt		
Sulfate, Anhydrous, 550 lb bbls, c/l 100 lb	...	.03%
Sulfide, 60% solid, 650 lb drs. lc/l wks. 100 lb	...	.04%
Drs. c/l wks. 100 lb	...	.03%
Imp. 700 lb drs. NY. 100 lb	...	.03%
60% broken, 650 lb drs wks. 100 lb	...	.04%
Imp., 500 lb drs. NY. 100 lb	...	.03%
30% crys. 400 lb bbls, wks. 100 lb	...	.02
Imp., 400 lb bbls. 100 lb	...	.02%
Sulfite, crys. 400 lb bbls, wks. 100 lb	...	.03%
Dedicated, 400 lb bbls. 100 lb	...	.09%
10c higher per oz.		.10



Soda Ash

Modified Soda Bicarbonate of Soda

Caustic Soda Special Alkali

Textile Soda

Manufactured and Sold by

DIAMOND ALKALI COMPANY

GENERAL OFFICES - PITTSBURGH, PA.

Chemicals

SODIUM—(Continued)

Sulfocarbonate, USP, 100 lb		
kegs	.37	.39
Sulfocyanide, 400 lb bbls....	.45	.47
Tungstate, crys. 100 lb kegs....	.55	
Dessicated, kegs	.65	
Solvent Naphtha, see Naphtha		
Sparteine Sulfate, USP, 25oz bulk.oz	.60	.70
Single oz. vial.....	.77	
Starch, rice, 140 lb bags.....	.09	.10

STRONTIUM Bromide, USP, 100 lb

kegs	.33	
Carb. 600 lb bbls, wks.....	.07	
100 lb kegs wks.....	.08	
Iodide, USP, 25 lb jars.....	4.00	
Nitrate, 600 lb bbls, wks.....	.11 1/2	
Imp. bbls, NY.....	.12	
Salicylate, USP, 100 lb kegs....	.65	.70

STRYCHNINE Alkaloid, USP, crys.

100oz tins	.95	
Alk. powd., USP.....	.85	
Acetate.....	1.05	
Glycophosphate, USP.....	1.05	
Hydrobromide.....	1.05	
Hydrochloride.....	1.05	
Hypophosphate.....	1.15	
Nitrate, USP.....	1.05	
Phosphate.....	1.05	
Sulfate, USP, crys. powd.....	.68	
Saccharinate.....	2.15	

Strychnine preparations quoted bases
100oz lots in 1000s tins. Small Sizes;
1/2oz vials, 50c extra; 1/4oz vials, 25c
extra; single ounce vials, 7c extra. Lots
of 25 ozs. 5c higher than above
schedule. Lots of less than 25 ozs.
10c higher per oz.

Sugar Milk USP, 200 lb bbls....	.21	.22
Second Hands, USP, bbls....	.21	.22
Sulfonal, see Sulfonmethane		
Sulfonethymethane, USP, 5 lb bxs. lb	3.50	3.70
Sulfonmethane, USP, 5 lb bxs....	2.40	2.60

SULFUR, crude bulk, c/l NY. ton	18.00	19.00
Crude, f.a.b. mines..... ton	14.00	15.00
Brimstone, 250 lb bags, c/l 100 lb	1.75	1.95
Less c/l bags NY.....	1.85	2.10
Roll, 500 lb bbls. c/l NY. 100 lb		2.15
Less c/l bags NY.....	2.20	2.45
Flour, Heavy, 290 lb bbls, 100 lb	2.50	3.05
Light, 100%, 260 lb bbls, 100 lb	2.60	3.15
Rubbermakers 100%, 240 lb		
bbls. NY.....	2.60	3.15
Commercial, 99%, 150 lb bgs.		
NY.....	1.35	1.65
For Dusting, 99%, 100 lb		
bgs. NY.....	2.00	2.50
Flowers, 100%, 240 lb bbls.		
NY.....	3.00	3.55
Precipitated, 125 lb bbls NY....	.14	.16
Lac. 125 lb bbls NY.....	.07	.10
Sulfur Chloride, red, 700 lb drs.		
wks.....	.06	.07
150 lb chys. wks.....	.08	
Yellow, 700 lb drs. wks.....	.05	.06
150 lb chys. wks.....	.07	
Sulfur Dioxide, 100 lb cyl.....	.08	.08 1/2
Iodide, USP, VIII, 5 lb bot. lb		4.55
Sulfuric Ether, see Ether		
Sulfuryl Chloride, 600 lb drs....		.70
TALC, Italian, 220 lb bags NY. ton	35.00	40.00
Refined white, bags..... ton	42.00	55.00
French, 220 lb bgs. NY..... ton	25.00	30.00
Refined, white, bags..... ton	32.00	45.00
Dom., crude, 100 lb bags NY. ton	10.00	15.00
Refined, 100 lb bags NY..... ton	18.00	25.00
Tartar Emetic, tech. 700 lb bbls. lb	.25	.26
USP, 300 lb bbls.....		.34 1/2
Terpin Hydrate, USP, 100 lb kegs lb	.60	.62
Terpineol, CP 1000 lb drums....	.54	.55
Cans, 50 lb.....	.58	.60
Imported, cans, 25 lb.....	.93	1.20
Terpenyl Acetate, 25 lb cans....	1.65	1.85
Terra Alba, No. 1, 300 lb bbls 100 lb	1.85	1.90
No. 2, bbls.....	1.25	1.35
Theobromine Alk., 5 lb cans.....		5.75
and Sod. Salicylate, 1 lb bot. lb		3.50

Thiocarbamid, 170 lb bbls.....	.28	.30
Thymol, USP, 25 lb tins.....	3.00	3.25
Iodide, 5 lb boxes.....	6.75	7.00
TIN, Metal Straits, NY.....		46.70
American standard, NY.....		46.70
99% American, NY.....		46.00
Bichloride, 50% solu. 100 lb		
bbls. wks.....		.13 1/2
Crystals, 500 lb bbls. wks.....		.34 1/2
100 lb kegs, wks.....		.35
Oxide, 400 lb bbls. wks.....		.51
100 lb kegs wks.....		.53
Tetrachloride, 1000 lb drs. wks. lb		.27 1/2
Tolidine, 350 lb bbls.....	1.00	1.10
Sulfate, 350 lb bbls.....		1.10
Toluene, 800 gal tank cars, wks. gal	.23	.24
110 gal drs. wks..... gal	.28	.30
Toluidine, Mixed, 900 lb drs. wks. lb	.31	.32
Triacetin, 50 gal drs. wks.....		.45
Tribromophenol, 100 lb cases.....		1.00
Trional, see Sulfonethymethane		
Triphenylguanidine.....		.80
Triphenyl Phosphate, 450 lb bbls. lb	.50	.60
Tripoli, 500 lb bbls.....	2.50	3.00
Tungsten NY.....	8.25	10.00
Ultramarine Blue.....		.18
UREA, pharm. 112 lb cases.....		.30
VANILLIN, USP, 400oz cans.....	.50	.50 1/2
Cans, 80 ozs.....		.50 1/2
Cans, 16 ozs.....		.51 1/2
Venetian Red.....		.05
Verdigris, see Copper Subacetate		
Vermilion, Amer. 100 lb kegs....		.35
English, kgs.....		1.30
Veratrine Sulfate, 1oz vial.....		2.00
Hydrochloride, 1oz vial.....		2.00
Veronal, see Acid Diethylbarbituric		
WHITE LEAD, see lead, white.		
White Precipitate, see mercury		
Whiting, 200 lb bags, c/l wks. ton	14.00	16.00
Bags, lc/l NY.....		22.50
Gliders, bags, NY.....	13.50	15.00
French, bags, NY.....		18.00
English, bags, NY.....		23.00
Witch Hazel Extract, 50 gal. bbls. gal	1.20	1.25

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Chemicals

XYLENE, 3° dist. range, nitration

8a. wks.gal	.40	.45
110gal. drs. NY.gal	.45	.50
3° dist. range, 8000gal tanks		
wks. ....gal	.35	
110gal. drs. wks. ....gal	.40	
10° dist. range, tanks, wks. ....gal	.30	
Commercial, 110 gal drs., wks. ....gal	.33	.34
Tanks, wks. ....gal	.28	.29
Eyidrine, 900 lb drs. ....lb	.80	
YARA YARA, 1 lb tins. ....lb	1.75	2.00
Yolumbin Hydrochloride, 1 oz. vial. oz	7.25	7.50
ZINC, METAL, high grade, slabs		
c/l NY. ....100lb	8.50	
Common Slabs, c/l NY. ....100lb	6.55	6.60
Mossy, 35 lb bxs NY. ....lb	.16	
Ammonium Chloride, powd., 400 lb		
bbbs. ....lb	.07½	.08
Carb. tech. 150 lb kegs NY. ....lb	.18	
USP, 100 lb kegs. ....lb	.30	
Chloride, fused, 600 lb drs. wks. ....lb	.06	
Drs. c/l wks. ....lb	.04½	.05
Imp. drs. NY. ....lb	.05	.05½
Granulated, 500 lb bbs. wks. ....lb	.08	.09
Imported, drs. NY. ....lb	.06½	.07
USP, 25 lb jars. ....lb	.20	.25
Cyanide, 100 lb drs. ....lb	.40	
Dust, 100 lb tins wks. ....lb	.09½	.10
500 lb bbs, kegs, c/l wks. ....lb	.06½	
500 lb bbs, kegs, c/l wks. ....lb	.08½	
Iodide, 5 lb bots. ....lb	5.20	
Nitrate 25 lb jars. ....lb	.35	
Oxide, Amer. 300 lb bbs, wks. ....lb	.08½	.08½
Bbbs. c/l wks. ....lb	.08½	.08½
French, 300 lb bbs wks. ....lb	.10½	.12½
Bbl c/l wks. ....lb	.10	.12
Bags, c/l wks. ....lb	.09½	.10½
USP, 100 lb bbs. c/l. ....lb	.17	
Ton lots, wks. ....lb	.18	
Imported, white seal, bbs. ....lb	.12½	
Green seal, bbs. ....lb	.10	
USP, 100 lb bbs. ....lb	.15	.17
Stearate, USP, 50 lb bbs. ....lb	.22	
Sulfate, 400 lb bbs, wks. ....lb	.03½	.03½
Bbbs. c/l wks. ....lb	.02½	
USP, 100 lb kegs. ....lb	.08	.09
Sulfocarbonate, 100 lb kegs. ....lb	.32	.34

Oils

Castor, No. 1, 400 lb bbs. ....lb	.14½	.15
80 lb casks. ....lb	.16	
No. 3, bbs. ....lb	.14	
Blown, 400 lb bbs. ....lb	.18½	
China Wood, bbs., spot NY. ....lb	.21½	.21½
8000 gal. tks. NY. ....lb	.21½	
Jan., Feb., forward, bbs. China. lb	.22	
Coast, tanks, Dec. forward. ....lb	.20	.20½
Cocunut Ceylon, 375 lb bbs, NY. lb	.10	.10½
8000 gal. tanks, NY. ....lb	.08½	.08½
Cochin, 375 lb bbs, NY. ....lb	.10½	.11
Tanks, NY. ....lb	.09½	.09½
Manila, tanks, P. Coast. ....lb	.08½	.08½
Edible, bbs, NY. ....lb	.11	.11½
Cod Newfoundland, 50 gal. bbs. gal	.67	.70
Tanks, NY. ....gal	.67	
Copra, bags. ....lb	.05½	
Corn, ref. 375 lb bbs, NY. ....lb	.13	.13½
Crude, tanks mills. ....lb	.09½	.10
Bbbs., NY. ....lb	.12	
Cottonseed, crude tks. mills. ....lb	.09½	.09½
P. S. Y., 100 bbl. lots NY. ....lb	.10½	.12
White, 100 bbl. lots NY. ....lb	.13½	.14
Winter yellow, 100 bbs, NY. ....lb	.13½	
Degras, Amer. 50 gal. bbs., NY. lb	.04½	.05½
English, bbs, NY. ....lb	.05	
Neutral, bbs, NY. ....lb	.11	.14
Greases, choice white, bbs, NY. ....lb	.10½	
Yellow. ....lb	.06½	.06½
Brown. ....lb	.06	.06½
House. ....lb	.06½	
Bone naphtha. ....lb	.06½	
Herring, Tanks, Coast. ....gal	.10	
Horse, 375 lb bbs, NY. ....lb	.10	
Lard, prime steam bbs. ....lb	.13½	.14
Compound, bbs. ....lb	.13½	.13½

LARD OIL, Edible prime, bbs. ....lb	.15½	
Off prime, bbs. ....lb	.13½	
Extra, bbs. ....lb	.12½	
Extra No. 1, bbs. ....lb	.10½	
No. 1 bbs. ....lb	.10½	
No. 2 bbs. ....lb	.09½	
LINSEED, raw c/l bbs, spot. ....gal	.92	
Pine bbs., raw. ....gal	.95	
Boiled, 5 bbl. lots. ....gal	.97	
Double boiled 5 bbl. lots. ....gal	.98	
Raw, c/l bbs. ....gal	.95	
Tanks. ....gal	.96	
Dec. ....gal	.92	
Dec-Feb., c/l bbs. ....gal	.92	
Mar-Apr., c/l bbs. ....gal	.90	
May-Aug., c/l bbs. ....gal	.85	
Imported, bbs, NY. ....gal	.85	
Tanks, NY. ....gal	.85	
Menhaden, crude, bbs, wks. ....gal	.50	
Crude, tanks, Balt. ....lb	.50	
Light strained, tanks. ....gal	.70	
Light strained, bbs, NY. ....gal	.67	.70
Yellow bleached, bbs, NY. ....gal	.70	.73
Extra bleached, bbs, NY. ....gal	.72	.75
Blown, bbs, NY. ....gal	.84	
Nestsfoot, 20° c.t. bbs, NY. ....lb	.17½	
Extra, bbs, NY. ....lb	.10½	
Pure, bbs, NY. ....lb	.14½	
Oleo Oil, No. 1, bbs, NY. ....lb	.16	
No. 2, bbs, NY. ....lb	.11½	
No. 3, bbs, NY. ....lb	.10½	
OLIVE, denatured bbs, NY. ....gal	1.10	1.15
Edible, bbs, NY. ....gal	1.70	2.00
Foods, bbs, NY. ....lb	.08½	.09
Shipment. ....lb	.08½	.09
Palm Lags, 1500 lb casks. ....lb	.07½	.08
Niger casks. ....lb	.07	.07½
Bonny old Calabar, casks. ....lb	.09	
Palm Kernel, 1500 lb casks NY. ....lb	.09	.09½
Peanut, refined bbs, NY. ....lb	.16	
Crude, mills buyers' tks.lb	.14	
Crude, bbs, NY.lb	.14	
Perilla, bbs, NY.lb	.14½	
Poppseed, bbs, NY.gal	2.25	2.30

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ACETIC ACID ANHYDRIDE

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Schiedam, Holland

Oils and Fertilizers

Rapeseed, refined bbls, NY.....gal	.78	: .79
Blown, bbls, NY.....gal	...	: .95
Red Oil, distilled, bbls.....lb	...	: .08½
Saponified, bbls.....lb	...	: .08½
Tanks .....lb	...	: .07½
Salmon, 8000 gal. tks. Coast.....gal	...	: ...
Sesame, domestic edible bbls.....lb	.12½	: .13
Sod Oil, bbls, NY.....gal	...	: .45
SOYA BEAN, crude tks. Coast.....lb	.09½	: .10
Crude, Tks, D.P., NY.....lb	...	: .10½
Crude, bbls, NY.....lb	.11	: .11½
Sperm, 38° c.t. bichd. bbls, NY.gal	...	: .94
45° cold test, bichd. bbls, NY.gal	...	: .89
STEARIC ACID, s.p. 200 lb bags. lb	.11½	: .11½
Double pressed, bags.....lb	.12	: .12½
Double pressed, bgs., saponified. lb	.12	: .12½
Triple pressed, bgs., distilled. lb	.13	: .13½
Triple pressed, bgs., saponified. lb	.13	: .13½
Stearine, oleo, bbls.....lb	...	: .11
Lard, bbls.....lb	...	: .15
Tallow, edible, tierces.....lb	...	: .10½
City, extra, loose.....lb	.07½	: .08
Tallow Oil, acidless tks. NY.....lb	...	: .10
Bbls., c/1 NY.....lb	...	: .11½
Walnut, crude bbls, NY.....lb	—	: —
Whale, nat. winter bbls, NY.....gal	...	: .77
Bichd. winter bbls, NY.....gal	...	: .79
Extra Bichd. bbls, NY.....gal	...	: .81
Crude, No. 1, tanks Coast.....gal	...	: ...
Crude, No. 2, tanks Coast.....gal	...	: ...
Crude, No. 3, tanks Coast.....gal	...	: ...

Fertilizer Materials

Ammon. Sulf., bulk wks.....100 lb	2.75	: 2.80
Double, bgs. f.a.s. NY.....100 lb	2.85	: 3.15
Single bags, wks.....100 lb	2.85	: 2.90
Blood, dried f.o.b. NY.....unit	...	: 4.30
Bone, 3 & 50 ground steamed.....ton	25.00	: 28.00
Raw, Chicago.....ton	...	: 30.00

Cyanamide wks.....unit	2.20	: 2.25
Fish Scrap, dried wks.....unit	4.75	: .10
Acid, Bulk, 7 & 3½, wks.....unit	3.70	: .50
NITRATE SODA, NY.....100 lb	...	: 2.52
Phosphate Rock, f.o.b. mines, Florida pebbles, 65-75%.....ten	3.25	: 4.50
Tennessee, 72%.....ton	...	: 5.50
Phosphate Acid, 16% Bulk wks.....ton	8.00	: 8.50
Potassium Murate, 80%.....unit	...	: .68
Sulfate.....unit	...	: .93
Steamed Bone Meal, NY.....ton	32.00	: 35.00
Tankage, ground, NY.....unit	4.00	: .10
High grade f.o.b. Chicago.....unit	3.65	: .10

Naval Stores

(Carloads ex-yard N. Y.)

Spirits Turpentine, bbls.....gal	...	: .94
Wood Turpentine, stm. distd. bbls.gal	...	: .84
Destructive distilled, bbls.....gal	...	: .68
Pine Oil, stm. dist'd, bbls.....gal	...	: .63
Pitch, prime.....bbl	...	: 5.50
Rosins, (Sold in 600 lb bbls., gross for net, quotations based on a unit of 280 lb)		
B.....280 lb	...	: 5.65
I.....280 lb	...	: 5.70
E.....280 lb	...	: 5.70
F.....280 lb	...	: 5.70
G.....280 lb	...	: 5.70
H.....280 lb	...	: 5.75
I.....280 lb	...	: 5.75
K.....280 lb	...	: 5.80
M.....280 lb	...	: 6.00
N.....280 lb	...	: 6.25
WG.....280 lb	...	: 6.75
WV.....280 lb	...	: 7.00

Rosin Oil, first run, 50 gal. bbls.gal	...	: .43
Second run, bbls.....gal	...	: .47
Tar, kiln-burnt.....bbl	...	: 11.00
Retort.....bbl	...	: 10.75

Woods

Sawwood, chips.....lb	.04½	: .05
Camwood, chips.....lb	.09	: .13
Diri Diri, pods 100-200 lb bags.....ton	40.00	: 42.00
Fustic, sticks.....ton	30.00	: 35.00
Chips.....lb	.04	: .06
Hemlock, bark.....ton	...	: 30.00
Hyperic, chips.....lb	.06½	: .07
LOGWOOD, sticks.....ton	28.00	: 30.00
Chips 150 lb bags.....lb	.02½	: .03
Mangrove bark, African.....ton	34.00	: 36.00
Bark, South American.....ton	25.00	: 30.00
Myrobalans, 150 lb bags J1.....ton	...	: 33.00
B1.....ton	...	: 35.00
J2.....ton	...	: 37.00
Nutgalls, see Crude Drugs.		
Oak bark, whole.....ton	20.00	: 23.00
Ground.....ton	...	: 25.00
Quercitron bark, rough.....ton	...	: 10.00
Ground.....ton	20.00	: 25.00
Sumac, Sicily, 160 lb bags.....ton	76.00	: 80.00
Virginia, 150 lb bags.....ton	...	: 35.00
Valonia Caps, 23-33% tan.....ton	34.00	: 38.00
Beard, 40% tan, 150 lb bags.....ton	50.00	: 53.00
Wattle bark, 150 lb bags.....ton	...	: 35.00

Extracts

Range of prices includes quality range for large quantity.

Annatto, fine.....lb	.20	: .29
Archil, double 600 lb bbls.....lb	.15	: .17
Triple, 600 lb bbls.....lb	.16	: .18
Conc., 600 lb bbls.....lb	.17	: .19

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Cresylic Acid

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Tannins and Dyestuffs

Chestnut, clarified, 25% tins. wks. lb.	.02	.02%	Osage Orange, 51° liquid..... lb.	.07	.08	Crude Drugs
Bbls., wks. lb.	.02%	.02%	Powd. 100 lb bags..... lb.	.14	.15	
Powd., 60% 100 lb bbls. wks. lb.	.05%	.06	Persian Berries..... lb.	.27	.30	
Decolorized, bbls. wks. lb.	.08	.09	QUEBRACHO, 35% liquid tins. lb.	.03	.03%	
Cudbear, English..... lb.	.16	.17	450 lb bbls. lb.	.03%	.04	
Cutch, Rangoon, 100 lb bales..... lb.	.13	.16	35% bleaching, 450 lb bbls. lb.	.04%	.05%	
Borneo, solid, 100 lb bales..... lb.	.04%	.05%	Solid 65% 100 lb bales..... lb.	.05	.05%	
Liquid, 450 lb bbls. lb.	.10	.11	Clarified bales..... lb.	.05	.06	
Tablets, 120 lb boxes..... lb.	.13	.14	Quercitron, 51° 450 lb bbls. lb.	.06%	.07%	
Flavine..... lb.	.90	.95	Powdered, 100 lb boxes..... lb.	.09	.13	
Fustic, solid 50 lb boxes..... lb.	.20	.22	Spruce, 25% liquid tanks wks. lb.	.01	.01%	
Crystals, 100 lb boxes..... lb.	.20	.20	Powd. 50% 100 lb bags wks. lb.	.02	.02%	
Liquid, 51°, 600 lb bbls. lb.	.10	.12	Sumac, liquid 450 lb bbls. lb.	.07	.09	
Gall extract..... lb.	.16	.18	Staircase, 600 lb bbls. lb.	.07	.11	
Gambier, 25% liq. 450 lb bbls. lb.	.08%	.09%	DYERS' SUNDRIES			
Common, 200 lb cases..... lb.	.10%	.11	Albumen, technical, egg 200 lb cs. lb.	...	...
Singapore cubes, 150 lb bags..... lb.	.18	.19	Blood, domestic, 100 lb drs. lb.	...	.45
HEMATINE, Paste, 500 lb bbls. lb.	.11	.12	Spray Yolk 150 lb cs. lb.	.45	.65	
Crystals, 400 lb bbls. lb.	.14	.20	British Gum, 140 lb bags c/l 100 lb	3.99	4.14	
Hemlock, 25% 600 lb bbls. wks. lb.	.03%	.03%	Bags, lc/l 100 lb	4.09	4.24	
Hyperic, 51°, 600 lb bbls. lb.	.15	.16	Dextrin, corn 140 lb bags c/l 100 lb	...	3.64	
Indigo, Madras bbls. lb.	.85	.90	Bags, lc/l 100 lb	...	3.74	
Manila, bbls. lb.	...	1.30	Yellow, bags c/l 100 lb	...	3.69	
Larch, 25%, 600 lb bbls. wks. lb.	.03%	.03%	Potato 220 lb bags c/l lb.	...	.07%
Powd. 100 lb bags, wks. lb.	.07%	.08	Bags, lc/l lb.	...	.07%
Logwood, 51°, 450 lb bbls. lb.	...	.12%	Yellow, 220 lb bags..... lb.	...	.08
Lower grades lb.	.07%	.10	Tapioca, 200 lb bags, lc/l lb.	.09	.10	
Solid, 50 lb boxes..... lb.	.13	.15	Prussian blue lb.	.60	.62	
Madder, Dutch lb.	.28	.30	Sago Flour, 150 lb bags..... lb.	.04%	.05	
Mangrove, 55% 400 lb bbls. lb.	.04%	.05	STARCH, powd. 140 lb bags c/l 100 lb	...	3.22	
Myrobalan, 25% liquid bbls. lb.	.04	.05	Bags lc/l 100 lb	...	3.32	
50% solid, 50 lb boxes..... lb.	.04%	.05	Pearl, 140 lb bags c/l 100 lb	...	3.12	
Oak, tanks wks. lb.	.04	.04%	Potato, domestic, 200 lb bags. lb.	.05	.05%	
23-25% liq. 600 lb bbls. wks. lb.	.05	.05%	Imported, bags duty paid..... lb.	.06	.06%	
			Medium grade bags..... lb.	.05%	.06	
			Low grade, bags lb.	.04	.04%	
			Turkey Red Oil, bbls. lb.	.11	.12	
			Yolk Oil, bbls. lb.35	

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NEW YORK CITY

Crude Drugs

BALSAMS								
Copaiba, Para, 80 lb es.	lb	.23 : .25	Cantharides, Russian, cases	lb	1.25 : 1.30	Cloves, Zanzibar, 135 lb bales	lb	.35 : .38
South American, 80 lb es.	lb	.27 : .28	Powdered, boxes	lb	1.25 : 1.30	Amboyas, bales	lb	...
Fir Canada, cans	gal	12.80 : 13.00	Cannabis, true imp. bags	lb	...	Penang, bales	lb	...
Oregon, bbls., cans	gal	1.65 : 1.85	American (no assay) bales	lb	.80 : .85	Cochineal, USP, boxes	lb	.35 : .37
Peru, 120 lb cases	lb	1.75 : 1.80	USP	lb	1.70 : 1.85	Coca Leaves, Hunuco bags	lb	...
Tolu, 90 lb cases	lb	2.25 : 2.50	Cantharides, Chinese cases	lb	1.05 : 1.10	Truxillo, bags	lb	...
Bamboo Brier Root, bags	lb	.06 : .07	Powdered, boxes	lb	1.40 : 1.50	Cohosh Root, Black bags	lb	.14 : .15
Barberry Bark, true bales	lb	.22 : .24	Caraway Seed, African, bags	lb	.24 : .25	Blue, bags	lb	.16 : .17
Barberry Bark, bales	lb	.11 : .12	Dutch, 110 lb bags	lb	.25 : .26	Colchicum Root, bags	lb	.08 : .09
Wax, bbls.	lb	.26 : .27	Cardamom bleached cases	lb	1.50 : 2.00	Seed, bags	lb	.10 : .11
Belladonna Leaves, bales	lb	.21 : .22	Decorated, cases	lb	1.70 : 1.75	Colombo Root, whole bags	lb	.03 : .04
Root, bags	lb	.12 : .13	Green, grinding, bags	lb	1.45 : 1.60	Colocynth, apples, cases, bales	lb	.17 : .22
Bees Wax, white bbls.	lb	.36 : .38	Carnauba Wax, Flor. bags	lb	.52 : .53	Pulp, USP, bales	lb	.33 : .35
Yellow, refined, bbls.	lb	.21 1/2 : .22	No. 1 N Country bags	lb	.40 : .42	Coltsfoot Leaves, bags	lb	.06 : .07
Crude, bags	lb	.23 : .24	No. 2 N Country bags	lb	.24 : .26	Comfrey Root, bags	lb	.13 : .14
Benzoin Gum, Siam, boxes	lb	1.30 : 1.35	No. 3 Fatty Gray, bags	lb	.18 1/2 : .19 1/2	Condurango Bark, bales	lb	.12 1/2 : .13
Sumatra, 80 lb boxes	lb	.27 : .28	No. 3 Chalky, bags	lb	.19 1/2 : .20	Conium Seeds, bags	lb	...
Berberis Aquifolium Root, bags	lb	.14 1/2 : .15	Cascara Amarga, 150 lb bales	lb	.30 : .32	Copaiba Balsam Para, see Balsams	lb	...
Beth Root, bags	lb	.30 : .32	Cascara Sagrada, bales, Old	lb	.28 : .32	Copal Gum	lb	.12 : .13 1/2
Blackhaw Bark, root, bales	lb	.40 : .41	New	lb	.27 : .30	Coriander Seed, Bombay bags	lb	.05 : .07
Tree, bales	lb	.28 : .30	Cascarilla Bark, quills bales	lb	.36 : .40	Morocco, bags	lb	.10 1/2 : .10 3/4
Blood Root, bags	lb	.15 : .16	Siftings, bbls.	lb	.20 : .25	Bleached, bags	lb	.14 1/2 : .15 1/2
Blueflag Root, bags	lb	.23 : .25	Cassia Buds, 66 lb cases	lb	.12 1/2 : .13	Corn Silk, bales	lb	.05 1/2 : .06
Boldo Leaves, bales	lb	.20 : .21	China, select, mats cases	lb	.09 : .09 1/2	Cotton Root Bark, bales	lb	.20 : .22
Bonset Herb, bales	lb	.08 : .11	Saigon, assort. bales	lb	.24 : .26	Cramp Root, so-called bales	lb	...
Orange Flowers, bales	lb	.18 : .20	Cassia Fistula, baskets	lb	.10 : .11	True, bags	lb	.40 : .42
Bryonia Root, bags	lb	.09 : .10	Castor Beans, bags	lb	.03 : .03 1/2	Cranesbill Root, bags	lb	.10 : .11
BUCHU LEAVES, short, 250 lb	lb	...	Castoreum, 1 lb bot.	lb	4.00 : 4.50	CUBE BERRIES, XX bags	lb	.70 : .75
bales	lb	.90 : .95	Catechu Gum, bags	lb	.09 : .10	Powdered, boxes	lb	.75 : .78
less, bales	lb	1.00 : 1.05	Calmip Herb, bales	lb	.15 : .17	Culvers Root, bags	lb	.35 : .38
Long, bales	lb	...	Celery Seed, 220 lb bags	lb	.26 : .27	Cumin Seed, Levant bags	lb	.27 : .28
Buckhorn Bark, bags	lb	.06 : .07	Ceresin Wax, white bags	lb	.09 : .10	Morocco, bags	lb	.27 : .29
Burdock Root, bags	lb	.19 : .20	Yellow, 200 lb bags	lb	.08 : .09	Cuttlefish Bone, Trieste, straps	lb	.15 : .16
Burgundy Pitch, dom. 110 lb stands	lb	...	CHAMOMILE FLOWERS, Roman	lb	1.00 : 1.10	Jewelers, large straps	lb	...
Gross for net	lb	...	bales	lb	.08 1/2 : .09	Small, straps	lb	.35 : .36
Calabar Beans, bags	lb	.12 : .14	Hung. cases bales	lb	.06 1/2 : .07	French, straps	lb	.15 : .16
Calamus Root, bleached cases	lb	.35 : .38	Charcoal Willow, powd. bbls.	lb	.06 : .06 1/2	Powdered, boxes	lb	...
Unbleached, bags	lb	.07 1/2 : .08	Wood, powd. bbls.	lb	.04 : .05	Broken, boxes	lb	.07 : .07 1/2
Calendula Petals, imp. bales	lb	...	Chestnut Bark, bags	lb	.07 : .08	Damar Gum, 136 lb cases	lb	.25 1/2 : .26
Callisaya Bark, bales, powd.	lb	.27 : .30	Herb, bales	lb	.06 : .06 1/2	Damiana Leaves, bales	lb	.13 : .15
Camphor, see Chemicals	lb	...	Chicle Gum, bags	lb	.75 : 1.00	Dandelion Root, imp. bags	lb	.28 : .30
Canary Seed, Morocco bags	lb	...	Chiretta, bales	lb	.10 : .12	Deer Tongue Leaves, bales	lb	.09 : .10
South American, bags	lb	.05 1/2 : .06	Cinchona Bark, red quills bales	lb	.45 : .50	Digitalis Leaves, bales	lb	.07 : .08
Candellia Wax, bags	lb	.23 : .25	Broken, bales	lb	.26 : .28	Dill Seed, bags	lb	.08 1/2 : .09
Candella Alba Bark, bales	lb	.51 : .52	Cinnamon, Ceylon, bales, bond.	lb	.22 : .22 1/2			
			Civet, Abyssin horns	lb	2.75 : 3.75			
			Clover Tops, bags	lb	.27 : .29			

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Dogwood Bark, Jamaica bags...D	.10%	.12	Grindelia Robusta Herb, bales...D	.07	.07%	LADY SLIPPER ROOT, bags...D	.51	.68
Flowers, bales...D	...	...	Guaiac Gum, 80 lb cases...D	.28	.30	Larkspur Seed, bags...D	1.00	1.10
Doggram Root, USP, cut bags...D	.12	.15	Guarana, tins, cases...D	.60	.70	Laurel Leaves, bales...D	...	.04%
Dragons Blood, man cases...D	.45	.50	GUM, see Arabic Gum, etc.	...	...	Lavender Flowers, Ordinary...D	.32	.35
Reeds, boxes...D	1.15	1.25	HELLEBORE ROOT,	...	...	Selected...D	.38	.42
ECHINACEA ROOT, bags...D	.26	.31	Black, bbls...D	.08	.10	Loeches, tubs...Per 100	...	6.00
Echinacane Root, bags...D	.09	.10	Powdered...D	.15	.17	Lemon Peel, bags...D	.09	.10
Kider Flowers, bags...D	.14	.16	White, Powd. 250 lb bbls...D	.16	.17	Liverice Root, Russian whole...D	.07%	.68
Klami Gum, 39 lb cases...D	.10	.11	Helonias Root, (unicorn false) bags...D	.88	.90	Spanish, natural bales...D	.09	.09%
Eum Bark, select, 5 lb bundles cases...D	.29	.31	Hemp Seed, Manchurian bags...D	.05	.05%	Powdered, bbls...D	.09	.09%
Grinding, bags...D	.10	.12	Chilian, bags...D	...	...	Selected, 2 & 5 lb bundles...D	.16	.20
Powdered, bbls...D	.23	.24	Henbane Leaves, bales, USP...D	.35	.38	Cuttings, 125 lb bags...D	.07	.07%
ERGOT, 150-200 lb bags...D	.36	.38	No assay...D	.30	.35	Life Everlasting Herbs, bales...D	.05	.06
Eucalyptus Leaves, bales...D	...	.05	Henna Leaves, bales...D	.12	.13	Lime Juices, clarified bbls...gal	.50	.60
Euphorbia Pilulifera Herb, bags...D	.15	.17	Powdered...D	.15%	.16	Linden Flowers, with leaves, bales...D	.14	.16
Euphorbia Gum, cases...D	...	.22	Honey, Calif., 120 lb cases...D	.11%	.12	Without Leaves, bales...D	.30	.32
Powdered, boxes...D	...	.40	Hops, N. Y. prime bales...D	.23	.25	Liverwort Leaves, bales...D	.20	.22
Fennel Seed, French, bags...D	.16	.17	Pacific Coast prime bales...D	.20	.23	Lobelia Herb, bales...D	.22	.24
German, bags...D	.18	.19	Horhound Herb, bales...D	.10	.11	Lobelia Seed, bags...D	.62	.65
Indian, bags...D	.12	.12%	Horsetail Rush, bags...D	...	.15	Lovage Root, Imported, bags...D	.20	.22
Flax Seed, whole 180 lb bbls...ca	13.00	13.50	India Gum, see Karaya	...	...	Lupulin, boxes...D	1.40	1.50
Ground, 180 lb bbls...D	.07%	.08	INSECT FLOWERS, open whole bales...D	...	...	Domestic...D	1.30	1.40
Foenugreek Seed, 200 lb bags...D	.05%	.06	Closed whole, bales...D	...	...	Lycopodium, 88 lb cs...D	.37	.39
Fish Berries, 100-125 lb bags...D	.02%	.03	Powdered, pure 200 lb bbls...D	.65	.67	MACE, Siam, No. 1 cases...D	.44	.45
Fringe Tree Bark, bags...D	.19	.20	Flowers and stems, 50 p. a. 200 lb bbls...D	.38	.40	Banda, No. 1 cases...D	.50	.52
GALANGAL ROOT, bags...D	.08	.09	Ipecac Root, Cartagena, bags...D	2.15	2.25	Batavia, cases...D	.38	.39
Galbanum Gum, cans...D	.80	.95	Powdered, 220 lb bbls. boxes...D	2.60	2.70	Malva Flowers, blue bales...D	.27	.30
Gambler Gum, bags...D	.09	.10	Ele Whole, bags...D	...	...	Black, bales...D	.65	.75
Gamboge Gum, 160 lb cases...D	.85	.90	Powdered, 200 lb bbls. boxes...D	...	...	Manna, large flake cases...D	...	...
Powdered, cases...D	.90	1.00	Isinglass, American, 130 lb cs...D	.75	.85	Small flake, cases...D	.37	.40
Gelsemium Root, bags...D	.11	.11%	Ruslan (Beluga) bxs. ctrs...D	4.50	5.50	Soris, cases...D	.27	.30
Gentian Root, bags...D	.08	.08%	JABORANDI LEAVES, bales...D	.16	.18	Mandrake Root, bags...D	.21	.22
Ginger, African, bags...D	.16	.17	Jalap Root, whole, 150 lb bags...D	.38	.35	Mastic Gum, 120 lb cases...D	.70	.75
Jamaica, grinding, bags bbls...D	.37	.43	Powdered, USP, 250 lb bbls...D	.38	.40	Meserum Bark, bags...D	.11	.12
Japan, bags...D	.17	.17%	Japan Wax, 224 lb cases...D	.17	.17%	Matteo Leaves, bales...D	.20	.22
Cochin, ABC & lemon, bags...D	.18	.18%	Job's Tears, white bags...D	.25	.30	Marjoram Leaves, German bales...D	.17%	.18
Ginseng Root, cultivated, bags...D	8.00	10.00	Juniper Berries, 125 lb bags...D	.64	.65%	French, bales...D	.15%	.16%
Northern Wild, bags...D	14.00	15.00	KAMALA, boxes...D	1.35	1.45	Millet Seed, dom. yellow bags...D	.03%	.05
Southern Wild, bags...D	10.00	12.00	Karaya Gum, powdered, bbls...D	.15	.20	Montan, Wax, crude bags...D	.04	.04%
Golden Seal Root, bags...D	3.45	3.55	Kava Kava Root, bags...D	.16	.17	Bleached...D	...	...
Powdered, boxes...D	3.70	3.75	Kino Gum, black cases...D	.80	.55	Moss, Iceland bales...D	.08	.09
Grains of Paradise, bags...D	.12	.14	Kola Nuts, 150 lb bags...D	.05	.06	Irish, bleached bales...D	.10	.12
			Kouso Flowers, bags...D	...	3.00	Mullein Flowers, tins...D	1.25	1.30

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Musk, pods, Cabardine, tins.....	16.00	: 17.00	Patchouli Leaves, bales.....	.22	: .25	Rosemary Flowers, cases bales....	.28	: .30
Tonquin.....	22.00	: 25.00	Pepper, black Sine, bags.....	.11	: .11 1/2	Rose Petals, pale.....	.22	: .25
Grain Cab.....	25.00	: 28.00	White, bags.....	.14	: .14 1/2	Red.....	.65	: .70
Tonquin.....	35.00	: 38.00	Peppers, red Mombasa, bags....	.16	: .16 1/2	Rue Herb, bales.....	.30	: .35
Synthetic, see Chemicals.....			Cherries, bags.....	.14	: .15	SABADILLA SEED, bags.....	.16	: .17
Musk Root, Russian bags.....			Bombay, bags.....	.15	: .15 1/2	Powder, bbls.....	.17	: .18
Mustard Seed, Bari brown bags..	.08 1/2	: .09	Japan, bags.....	.28 1/2	: .30	Saffron Flowers, Amer. bales....	.78	: .80
Bombay, brown.....	.08 1/2	: .09	Pennyroyal Herb, bales.....	.08	: .12	Valencia, 1 lb cans.....	35.00	: 36.00
California, brown.....	.08 1/2	: .09	Peppermint Leaves, imp. bales..	...	: .35	Sage, Dalmatian bales.....	.05 1/2	: .06 1/2
Yellow.....	...	: .09	Domestic leaf.....	.27	: .29	Greek, bales.....	.04 1/2	: .05 1/2
Chinese yellow.....	.04	: .04 1/2	Peru Balsam, see Balsams.....			Spanish, bales.....	.03	: .03 1/2
English, yellow.....	.08 1/2	: .09	Pitch Leaves, bags.....	.23	: .25	Sandalwood, chips bags.....	...	: .30
Dutch, yellow.....	.08	: .08 1/2	Pimento, select bags.....	.05 1/2	: .05 3/4	Ground, bags.....	...	: .35
Danish, yellow.....	.08 1/2	: .09	Pink Root, true bags.....	...	: 1.05	Sandarac Gum, 300 lb bbls.....	.22	: .23
Myrrh Gum, select 200 lb cs.....	.35	: .37	Pitch, Burgundy, see Burgundy Pitch			Sarsaparilla Root Honduras, bales	.61	: .65
Sorts, cases.....	.33	: .35	Pleurisy Root, bags.....	...	: .22	Mexican, bales.....	.26	: .28
NUTGALLS, Chinese, bags.....	.17	: .18	Plantain Leaves, bales.....	...	: .15	Sassafras Bark, ordinary bales..	.13	: .15
Aleppy, bags.....	.14	: .15	Poke Berries, bags.....	...	: .15	Select, bales.....	.30	: .32
Nutmegs, 110s cases.....	.26 1/2	: .28	Poke Root, bags.....	...	: .07 1/2	Savory Leaves, bales.....	.08 1/2	: .09 1/2
75s, 80s cases.....	.30	: .31	Pomegranate Bark, of root bags..	...	: .30	Saw Palmetto Berries, bags....	.10	: .11
Nux Vomica Buttons, bags.....	.08	: .07	Of Fruit, bags.....	...	: .30	Scammony Resin, boxes.....	1.40	: 1.60
Powdered, 200 lb bbls.....	.08 1/2	: .09	Of tree.....	...	: .30	Scammony Root, bags.....	.08 1/2	: .07
OAK BARK, red bags.....	.05	: .06	Poppy Flowers, red bags.....	.25	: .27	Senega Root, bag.....	.64	: .68
White, bags.....	.06	: .07	Poppy Seed, Dutch, bags.....	.09 1/2	: .10	SENNA, Alex. 150 lb cases.....	.24	: .25
Oilbanum Gum, sift 280 lb cases..	.09 1/2	: .10	German, bags.....	...	: .10 1/2	Half Leaf, 350 lb bales.....	.18 1/2	: .19 1/2
Tears, 280 lb cases.....	.12	: .13	Turkish, bags.....	.06	: .08	Siftings, 400 lb bales.....	.13	: .14
No. 1, all white, 380 lb cases	.21	: .23	Blue Indian, bags.....	.08	: .08 1/2	Powdered, 200 lb bbls.....	.14	: .15
Opium, gum USP cases.....	8.00	: 10.00	White Indian, bags.....	.07	: .07 1/2	Tinnevely, job, 350 lb bbls..	.11	: .16
Granular, cans.....	9.00	: 11.00	Prickly Ash Bark Southern, bags..	.14	: .14 1/2	Grinding, 350 lb bales.....	.07	: .09
Powdered, USP, cans.....	9.00	: 11.00	Northern, bags.....	...	: .16	Powdered, 200 lb bbls.....	.09	: .10
Orange Flowers, cases.....	.50	: 1.00	Prickly Ash Berries, bags.....	.12	: .14	Pods, 350 lb bales.....	.14	: .16
Orange Peel, bitter bags.....	.07 1/2	: .07 1/2	Prince's Pine, bales.....	.35	: .38	Serpentaria Root, bags.....	.80	: .85
Sweet, bags.....	.08	: .08 1/2	Fusitilla Herb, bags.....	.22	: .25	Shellac, T.N., bags.....	.63	: .64
Orris Root Florentine bold bags..	.07	: .08	Pumpkin Seed, bags.....	.14	: .16	Superfine Orange, bags.....	.68	: .70
Powdered, 200 lb bbls.....	.11 1/2	: .12	QUASSIA CHIPS, bags.....	.07	: .08	D. C., bags.....	.81	: .82
Verona, bags.....	.05	: .06	Queen of the Meadow Herb, bags..	...	: .06	V. B. O., cases.....	.61	: .62
Powdered, 200 lb bbls.....	.07 1/2	: .08	Quince Seed, bags.....	.05	: 1.10	Pwd. res., 350 lb bbls.....	...	: .71
Fingers, cases.....	.58	: .60	RAPE SEED, South Amer. bags..	.06 1/2	: .07	Regular Bleached, 350 lb bbls..	...	: .65
Cookerite Wax, brown hard bags..	.22	: .24	Dutch, bags.....	.05 1/2	: .06	Bone, Dry, 350 lb bbls.....	.73	: .75
Green, hard bags.....	.35	: .36	Japanese, small, bags.....	.05 1/2	: .06	Simaruba Bark, bales.....	.09	: .10
Refined, yellow bags.....	...		Raspberries, dried boxes.....	.58	: .60	Skiditis Herb, cut bags.....	...	: .18
PAPRIKA, bags.....	.17	: .22	Red Saunders.....	.17	: .19	Skulleap Leaves, bales.....	...	: .38
Hungarian.....	.27	: .37	Rhatany Root, bags.....	...	: .08 1/2	Sloe Berries, bags.....	.03	: .04
Pareira Brava Root, bags.....	.19	: .20	RHUBARB, H. D., cases.....	.34	: .36			
Parsley Seed, bags.....	.08 1/2	: .09	Powdered, 200 lb bbls.....	.42	: .44			
			Rosemary Leaves, bales.....	.04 1/2	: .05			

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Snake Root, Canada natural bags. lb	.43	.45
Stripped, bags55
SOAP BARK, whole, 150-200 lb bales	.07½	.09
Cut, 125-175 lb bags	.09½	.10
Crushed, 200 lb bbls.	.11½	.12½
Powdered, 200 lb bbls.	.12	.14
Spear-mint Leaves, American bales. lb	.23	.24
Spermaceti, blocks cakes cases. lb	.39	.41
Spike-nard Root, bags	.26	.28
Spruce Gum, boxes	1.00	1.50
Squaw Vine, bales	...	.17
Stavesacre Seed, bags	.28	.29
Stone Root, bags	.09	.10
Storax, liquid artif.	.70	.75
Gen. USP	.90	1.00
St. Ignatius Beans, bags	.22	.23
St. John's Bread, bags	.04	.06
Stramonium Leaves, bales	.08	.09
Stramonium Seed, bags	.12	.13
Strophanthus Seed, Hispidus	.35	.40
Kombe, bags	.30	.35
Sunflower Seed, domestic bags. lb	.07	.07½
South American, bags	.06	.07½
TAGALDER BARK, bags	...	.05
Tamarinds, bbls.	...	.06½
Keps	...	3.50
Tansy Herb, bales	.18	.20
Tar, Barbadoes, 50 gal. bbls. gal	1.60	1.75
Thus Gum, 280 lb bbls.	...	.05½
Thyme, Spanish bales	.07	.07½
French, bales	.08½	.09
Tilla, See Linden	...	...
Tolu Balsam, see Balsams	...	...
Tonga Bark, bags	.30	.31
Tonka Beans, Angostura, cases. lb	2.25	2.35
Para, cases	.75	.80
Surinam, cases	.80	.85

Tragacanth Gum, No. 1, ribbon	1.35	1.40
No. 2 to No. 6, cases. lb	1.00	1.35
Powdered, 50 lb boxes.	.95	1.00
Turkish, cases	.75	.90
Turmeric Root, Madras bags. lb	.10½	.11
Alep-py, bags	.09	.09½
China, bags	.08	.08½
Turpentine, Venice, true 80 lb cs. lb	.16½	.18
Artificial, 80 lb cases	.14	.15
Spirits, see Naval Stores	...	...
UNICORN ROOT, false, see Helonias	...	...
True, see Aletris	...	...
Uva Ursi Leaves, bales. lb	.07	.07½
VALERIAN ROOT, Belgian bags. lb	.09	.10
Vanilla Beans Mex. whole cases. lb	10.00	12.00
Cuts, cases	6.00	6.25
Bourbon, cases	5.25	5.75
South American, cases	6.00	6.25
Tabliti. yellow label cases. lb	...	...
Green Label, cases	...	...
Violet Flowers, bags	.65	.70
WAHOO BARK, of root bags. lb	1.00	1.05
Of Tree, bags	.46	.48
White Pine Bark, rosed, bags. lb	.07	.08
White Poplar Bark, bags. lb	.04	.05
Wild Cherry Bark, thin green	...	...
Rosed, bales	.15	.16
Thick Rosed, bales	.09	.10
Thin Natural, bales	.14	.15
Thick Natural, bales.	.07	.08
Willow, bark bags	...	.06
White, bags	...	.15
Witch Hazel Bark, bags.	...	.07
Witch Hazel Leaves, bales	...	.09
Worm Seed, American bags. lb	.69	.10
Lerant bags	...	4.00
Wormwood Herb, imported bales. lb	...	.10
Yacca Gum, red	.04	.04½
Ground	.05½	.06½
YELLOW DOCK ROOT, bags. lb	.12	.14
Yellow Parilla Root, bags. lb	.16	.17
Yerba Santa, bags	.10	.11
Zedoary Root, bags	.08	.10

Essential Oils

Almond Bitter USP 5 lb bots.	3.25	3.75
Bitter ff PA 5 lb bots.	3.50	3.75
Artificial (See Benzaldehyde—Chemicals)	...	...
Sweet, 56 lb cans	.33	.34
Peach Kernel, 55 lb tins.	.24	.25
Apricot, see Peach Kernel	...	...
Amber, crude 25 lb tins.	.70	.75
Rectified, 25 lb tins.	.90	1.00
Angelica Root, 1 lb bot.	38.00	39.00
Seed, 1 lb bot.	38.00	38.00
ANISE, Tech., 68 lb case	.40	.42
USP, 50 lb tins	.42½	.45
Bay, 25 lb tins.	2.50	2.60
Bergamot, 25 lb coppers	2.90	3.00
Artificial, 25 lb cans.	2.00	2.25
Birch Tar, rect. 5 lb bot.	1.10	1.15
Crude, 50 lb tins	.60	.65
Bols de Rose, 25 lb tins.	3.00	3.25
Cade, USP, 25 lb tins.	.35	.40
USP, 5 lb bot.	.45	.50
Caluput, native, 50 lb tins.	.80	.85
Calamus, 5 lb bot.	4.25	4.75
Camphor, heavy, 1000 lb drums.	.12½	.13½
Japanese, white, 72 lb cases.	.13½	.15
White, 1000 lb drums.	.13	.15
Cananga, native 25 lb tins.	2.25	2.50
Rectified, 25 lb tins	2.75	3.00
Caraway, USP	8.50	8.75
Cardamom, USP, 1 lb bot.	30.00	33.00
Carrol, 5 lb bot.	16.00	18.00
CASSIA, 75-80 p.c. 68 lb cases. lb	2.00	2.10
Redistilled, USP, 50 lb cans.	2.75	2.85
Cedar Leaf, 50 lb tins.	1.05	1.10
Cedar Wood, light 1000 lb drums.	.26	.28
Celery, 1 lb bot.	8.50	9.00
Cinnamon, Ceylon, 1 lb bot.	11.00	12.50
Leaf, 5 lb bot.	...	2.00
CITRONELLA, Ceylon, 1000 lb drs.	.95	1.00
50 lb tins	1.00	1.10
Java, 400 lb drums.	1.10	1.15
50 lb tins	1.15	1.20
Cloves, USP, 50 lb cans.	2.50	2.60
6 lb bot.	2.60	2.70

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Copaiba, USP, 50 lb tins.....	D	35	: 40
Coriander, USP, 1 lb bot.....	D	17.00	: 17.50
Croton, USP, 25 lb tins.....	D	1.00	: 1.10
Cubeba, USP, 5 lb bot.....	D	5.25	: 5.50
Cumin, 1 lb bot.....	D	14.00	: 15.00
Dill, 1 lb bot.....	D	4.25	: 5.00
Erigeron, 20 lb tins.....	D	1.25	: 1.35
EUCALYPTUS, Austl. USP			
50 lb cs.....	D	72 1/4	: 75
500 lb drums.....	D	...	: 70
Fennel USP, 25 lb tins.....	D	1.05	: 1.10
Geranium, Algerian, 25 lb tins..	D	7.50	: 8.00
Bourbon, 25 lb tins.....	D	7.00	: 7.50
Turkish, 28 lb tins.....	D	4.50	: 4.75
Ginger, 1 lb bot.....	D	5.75	: 6.00
Gingergrass, 28 lb tins.....	D	2.75	: 3.00
Hemlock, 50 lb cans.....	D	1.10	: 1.20
Juniper Berries, USP, 25 lb tins..	D	1.25	: 1.35
Wood, 50 lb tins.....	D	.60	: .70
Lavender, USP, 28 lb tins.....	D	4.50	: 6.25
Spike, Spanish, 50 lb cans.....	D	.65	: .70
LEMONGRASS, Ital. USP, 25 lb tins..	D	.75	: .85
American, USP, 25 lb tins.....	D	.75	: .80
Lemongrass, native, 50 lb cans.....	D	.80	: .85
Limes, express 25 lb tins.....	D	1.60	: 1.70
Distilled, 25 lb tins.....	D	1.00	: 1.05
Linaloe, Mex 80 lb cases.....	D	2.50	: 2.75
Mace, distilled, 50 lb tins.....	D	1.25	: 1.35
Mirbane, ref. see Ar. Chemicals			
Mustard, USP, 1 lb bot.....	D	...	: 14.00
Artif. USP, 1 lb bot.....	D	3.30	: 3.40
Neroli, Bigarade, 1/2 & 1 lb bot..	D	40.00	: 60.00
Petal, 1 lb bot.....	D	70.00	: 120.00
Artificial, 1 lb bot.....	D	10.00	: 25.00
Nutmeg, USP, 25 lb tins.....	D	1.25	: 1.35
Orange, bitter, 25 lb tins.....	D	2.65	: 2.75
Sweet, W. Ind., 25 lb tins.....	D	2.35	: 2.45
Italian, 25 lb cop.....	D	3.15	: 3.35
American, 25 lb tins.....	D	3.10	: 3.25
Origanum, 50 lb cans.....	D	.30	: .35
Parsley, 1 lb bot.....	D	3.80	: 4.00
Patchouli, 5 lb bot.....	D	6.75	: 7.00
Pennyroyal, dom. 25 lb tins.....	D	1.95	: 2.25
Imported, 25 lb tins.....	D	1.90	: 2.00
PEPPERMINT, nat. 60 lb cases.....	D	3.25	: 3.35
Redist., USP, 60 lb cases.....	D	3.45	: 3.55
Petit Grain, S. Am. 25 lb tins..	D	1.75	: 1.85
French, 1 lb bot.....	D	7.00	: 8.00
Italian, 25 lb tins.....	D	2.25	: 2.35

Pimento, 25 lb tins.....	D	2.00	: 2.10
Pinus Sylvestris, 25 lb tins.....	D	...	: 1.75
Pumilio, USP, 25 lb tins.....	D	...	: 2.75
Rose, Fr., 8, 16 & 32 oz. pkgs..	...	...	: 9.00
Bulg., 8, 16 & 32 oz. pkgs..	...	8.00	: 9.00
Artificial, 1 lb bot.....	D	2.00	: 3.00
Rosemary, USP, 27 1/2 lb tins....	D	.40	: .42
1000 lb drums.....	D	...	: 37 1/2
Tech., 27 1/2 lb tins.....	D	.35	: .40
Rue, 1 lb bot.....	D	...	: 4.25
Sandalwood, E. Ind. USP, 76 lb cases	D	6.90	: 7.00
W. Indias, (Amurra) 25 lb tins..	D	3.00	: 3.25
Sassafras, USP, 50 lb cans.....	D	1.90	: 2.05
Artificial, 1000 lb drs., 60 lb cans	D	.38	: .42
Savin, 5 lb tins.....	D	2.85	: 3.00
Spearmint, USP, 60 lb cases.....	D	2.40	: 2.50
Spruce, 50 lb tins.....	D	1.10	: 1.20
Tansy Amer., 20 lb tins.....	D	4.25	: 4.35
Tar, 50 gal. bbls.....	gal	.25	: .26
Refined, USP 25 lb tins.....	D	...	: ...
Thyme, red, USP 25 lb tins.....	D	1.05	: 1.10
White, USP 25 lb tins.....	D	1.15	: 1.25
Tech., 110 lb drums.....	D	.85	: .90
Vetiver, Bourbon, 1 lb bot.....	D	7.25	: 7.50
Java, 1 lb bot.....	D	22.00	: 24.00
Wine, heavy 1 lb bot.....	D	...	: 2.75
WINTERGREEN			
Sweet beh., 25 lb tins.....	D	2.50	: 3.00
Southern, 25 lb tins.....	D	1.85	: 2.00
Gaultheria, true 25 lb tins.....	D	6.50	: 7.00
Southern, 25 lb tins.....	D	4.00	: 4.25
Synthetic, USP, 50 lb cases.....	D	...	: .47
Wormwood Balt., USP, 25 lb tins..	D	6.75	: 7.25
Wormwood dom. 25 lb tins.....	D	4.00	: 4.25
Ylang Ylang, Bourbon 10 lb tins			
No. 1.....	D	7.00	: 9.00
No. 2.....	D	5.00	: 6.00
Manila, 1 lb bot.....	D	30.00	: 40.00
Artificial, 1 lb bot.....	D	10.00	: 12.00
OLEORESINS			
Aspidium, USP, 1 lb bot.....	D	2.75	: 3.00
Capelcum, USP, 5 lb bot.....	D	2.50	: 2.75
Ginger, 5 lb bot.....	D	3.00	: 3.10
Cubeb, USP, 1 lb bot.....	D	4.75	: 5.00
Malefern, See Aspidium			
Orris, 1 lb bot.....	D	...	: 18.00
Pepper, black, USP, 1 lb bot.....	D	3.50	: 4.00
Vanilla, 1 lb bot.....	D	9.50	: 10.00

Aromatic Chemicals

NATURAL DERIVATIVES

Anethol, 2 lb bot.....	D	1.60	: 2.00
Borneol, 1 lb bot.....	D	...	: 3.50
Citronellal, 1 lb bot.....	D	2.00	: 2.25
CITRAL, 25 lb cans.....	D	2.75	: 3.00
EUCALYPTOL, USP, 25 lb cans..	D	.80	: .85
Eugenol, USP, 25 lb cans.....	D	3.25	: 3.50
Geraniol, Domestic, 50 lb cans...	D	3.25	: 3.50
Imported, 5 lb bot.....	D	4.25	: 5.50
Extra.....	D	...	: ...
Iso-Eugenol, 1 lb bot.....	D	4.50	: 5.00
Imported.....	D	5.50	: 6.50
Linalool, 5 lb bot.....	D	8.00	: 9.00
MENTHOL, 60 lb cases.....	D	...	: 11.00
Less cases, 5 lb cans.....	D	...	: 11.50
Rhodinol, 1 lb bot.....	D	15.00	: 20.00
SAFROL, 60 lb cans.....	D	.48	: .50
Thymol, USP, 25 lb tins.....	D	3.00	: 3.25

SYNTHETIC AROMATICS

Acetaldehyde, 50% sol pure, 5 lb bot..	D	1.75	: 2.00
Acetophenone CP, 1 lb bot.....	D	4.75	: 5.00
Aldehyde, C-8 (Octyl), 1 lb bot..	D	45.00	: 60.00
Aldehyde, C-9 (Nonyl), 1 lb bot..	D	70.00	: 75.00
Aldehyde, C-10 (Decyl), 1 lb bot..	D	50.00	: 58.00
Aldehyde, C-12 (Dodecyl), 1 lb bot..	D	27.50	: 32.50
Aldehyde, C-14, 1 lb bot.....	D	22.50	: 25.00
Aldehyde, C-16, 1 lb bot.....	D	70.00	: 80.00
Aubepine, see Anisic Aldehyde			
Amyl Acetate, pure, 5 gal. cans.gal		7.00	: 8.00
Amyl Butyrate, 1 lb bot.....	D	2.00	: 2.10
Amyl Formate, 1 lb bot.....	D	2.25	: 3.00
Amyl Phenyl Acetate, 1 lb bot..	D	8.50	: 9.00
AMYL SALICYLATE, dom. 100 lb chys.	D	1.45	: 1.50
Imported.....	D	2.25	: 2.50
Amyl Valerate, 5 lb bot.....	D	4.75	: 5.00
Anisic Aldehyde, 1 lb bot.....	D	3.75	: 4.50
BENZALDEHYDE, USP, 40 lb chys..	D	1.50	: 1.60
FFC, 40 lb chys.....	D	1.60	: 1.75
Benzole Ether, See Ethyl Benzozate			
Benzophenone, 1 lb bot.....	D	6.75	: 7.00
Benzyl Acetate, 100 lb chys.....	D	1.55	: 1.75

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Benzyl Alcohol, 5 lb bot.....lb	1.60	: 1.70	Iso-Butyl Benzoate, 5 lb bot.....lb	4.75	: 5.00	Skatol, 1 oz. bot.....oz	9.25	: 10.00
BENZYL BENZOATE, 5 lb bot.....lb	1.60	: 1.75	Iso-Safrol, 1 lb bot. imported.....lb	5.25	: 5.50	TERPINEOL, CP, 1000 lb drums.....lb	.50	: .51
Medicinal PFC.....lb	1.75	: 2.00	Domestic, 5 lb bot.....lb	4.00	: 4.25	Cans 50 lb.....lb	.52	: .54
Benzyl Butyrate, C.P., 1 lb bot.....lb	5.50	: 6.00	Linalyl Acetate, 1 lb bot. Dom.....lb	7.00	: 10.00	Imported, 25 lb cans.....lb	.95	: 1.20
Benzyl Cinnamate, 1 lb bot.....lb	10.00	: 10.50	Imp., 1 lb bot.....lb	8.50	: 10.00	Terpinyl Acetate, 25 lb cans.....lb	1.65	: 1.85
Benzyl Formate, 1 lb bot.....lb	3.00	: 3.25	Linalyl Benzoate, 1 lb bot.....lb	13.00	: 14.00	VANILLIN, USP, 400 oz. cans.....oz	.50	: .50 1/2
Benzyl Propionate, 1 lb bot.....lb	5.00	: 5.25	Linalyl Formate, 5 lb bot.....lb	10.00	: 12.00	Cans, 16 oz., 80 oz.....oz	.50 1/2	: .51 1/2
Bornyl Acetate, 1 lb bot.....lb	2.75	: 3.25	METHYL ANTHRANILATE dom.,			Valerianic Ether, See Ethyl Valerate		
Bromatrol, 25 lb heggs.....lb	4.00	: 4.25	1 lb bot.....lb	3.25	: 3.75	Yara Yara, 1 lb cans.....lb	1.75	: 2.00
Butyric Ether, See Ethyl Butyrate			Imported.....lb	4.50	: 5.00			
Cinnamic Acid, 5 lb cans.....lb	3.00	: 3.25	Methyl Benzoate, 5 lb bot. import.....lb	2.00	: 2.25			
Cinnamic Alcohol, Liquid 1 lb bot.....lb	10.00	: 14.00	Domestic, 5 lb bot.....lb	1.75	: 2.00			
Crystallizable.....lb	12.00	: 16.00	Methyl Cinnamate, 1 lb bot.....lb	8.75	: 4.00			
Cinnamic Aldehyde, 1 lb bot.....lb	3.20	: 3.50	Methyl Heptenone, 1 lb bot.....lb	8.00	: 8.25			
CITRONELLOL, 1 lb bot.....lb	9.00	: 11.00	Methyl Heptene Carbonate, 1 lb bot.....lb	50.00	: 70.00			
Citronellyl Acetate, 1 lb bot.....lb	13.00	: 13.00	Methyl Paracresol, 1 lb bot.....lb	8.00	: 9.00			
COUMARIN, 25 lb cans.....lb	4.50	: 4.85	Methyl Phenylacetate, 1 lb bot.....lb	8.25	: 6.50			
DIETHYL PHTHALATE, 25 lb cans.....lb	.50	: .60	Methyl Phenylacetate, 5 lb bot.....lb	8.00	: 6.50			
1000 lb div.....lb	.50	: .55	METHYL SALICYLATE, USP 500 lb					
Diphenylloxide, 25 lb tins.....lb	.85	: .90	drums.....lb	...	: .45			
Ethyl Acetate, pure, 5 lb bot.....lb	.45	: .50	50 lb cases.....lb	...	: .47			
Ethyl Benzoate, 5 lb bot.....lb	1.85	: 2.00	Second Hands.....lb	.43	: .44			
Ethyl Butyrate, 5 lb bot.....lb	2.00	: 2.25	Mirbane, rect., 1000 lb drums.....lb	.12 1/2	: .14			
Ethyl Caproate, 1 lb bot.....lb	3.25	: 3.50	Musk Ambrette, 1 lb cans.....lb	14.00	: 15.00			
Ethyl Cinnamate, 1 lb bot.....lb	3.75	: 4.00	Musk Ketone, 1 lb cans.....lb	14.00	: 15.00			
Ethyl Formate, 5 lb bot.....lb	2.00	: 2.10	Musk Xylene, 5 lb cans.....lb	8.50	: 3.75			
Ethyl-methyl Paracresol, 1 lb bot.....lb	3.25	: 3.50	Nerolin, 1 lb cans.....lb	1.65	: 2.00			
Ethyl Propionate, 1 lb bot.....lb	2.25	: 2.50	Oenanthalic Ether, 100%, 1 lb bot.....lb	2.25	: 3.00			
Ethyl Valerate, 5 lb bot.....lb	4.50	: 4.75	Oenanthalic Ether, 5 lb bot.....lb	1.25	: 1.50			
Ethyl Salicylate, 5 lb bot.....lb	3.25	: 3.50	Phenylacetaldehyde, Dom.,					
Formic Ether, See Ethyl Formate			1 lb bot.....lb	9.50	: 10.50			
Geranyl Acetate, 1 lb bot.....lb	4.25	: 4.75	Imported.....lb	7.50	: 11.00			
Geranyl Butyrate, 1 lb bot.....lb	13.00	: 13.50	Phenylacetic Acid, 1 lb bot.....lb	3.00	: 3.25			
Geranyl Formate, 1 lb bot.....lb	13.00	: 13.50	Phenyl Diacetate, 1 oz. bot.....oz	3.25	: 3.50			
Hydroxycitronellal, 1 lb bot.....lb	15.00	: 18.00	Phenyl propyl Alcohol, 1 lb bot.....lb	18.00	: 14.00			
Heliotropin, dom., 10 lb bot.....lb	1.85	: 2.00	PHENYLETHYLALCOHOL dom.,					
Imported.....lb	2.50	: 2.75	1 lb bot.....lb	8.00	: 10.00			
Indol, CP, 1 oz. bot.....oz	6.00	: 6.50	Imported.....lb	7.75	: 9.75			
Ionone, 1 lb bot.....lb	5.00	: 9.00	Phenylethyl Butyrate, 1 lb bot.....lb	25.00	: 26.00			
Alpha.....lb	10.00	: 12.00	Phenylethyl Formate, 1 lb bot.....lb	18.00	: 19.00			
Beta.....lb	9.00	: 11.00	Phenylethyl Propionate, 1 lb bot.....lb	19.00	: 20.00			
Methyl.....lb	12.50	: 15.00	Phenylethyl Valerate, 1 lb bot.....lb	22.50	: 26.00			
			Phenylpropyl Alcohol, 1 lb bot.....lb	15.00	: 16.00			

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CHEMICALS—100 cks., Pomeroy & Fischer, Marseilles; 154 cks., Jungmann & Co., Hamburg
CHLOROPHYLL—1 cse., Lehn & Fink, Hamburg
CLAY—220 bgs., C. T. Wilson & Co., Bristol; 50 cks., English China Clay Sales Corp., Bristol; China, 100 bgs., Order, Bristol
COLORS—57 cks., Ciba Co., Havre; 5 cks., Carbic Color & Chem. Co., Havre; 1 cse., Kennedy Co., Havre; 3 cks., Irving Bk. Havre; 3 cs., Stern Shpg. Co., Havre; 19 cks., Sandoz Chem. Wks., Havre; 11 cs., Schall & Co., Havre; 2 cs., Ackerman Color Co., Havre; 10 cks., Kuttroff Pickhardt & Co., Bremen; 26 cks., Reichard Coulston, Inc., Havre; 18 pgs., Sandoz Chem. Wks., Havre; 2 cks., Kuttroff Pickhardt Co., Hamburg; 18 cks., Kuttroff Pickhardt Co., Hamburg; 3 cks., Franklin Imp. & Exp. Co., Hamburg; Bronze Powder, 5 cs., Amer. Exp. Co., Bremerhaven; Earth, 31 cks., L. H. Butcher Co., Bremerhaven
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& Co., Bristol; 35 cks., J. L. Smith & Co., Bristol; 20 cks., Order, Bristol
ERGOT—15 cs., Order, Lisbon; Rye, 20 cs., Verde des Chargeurs, Lisbon
EXTRACTS—Archil Liquor, 12 cks., H. Kohnstamm & Co., Liverpool; 8 cks., H. Kohnstamm & Co., Liverpool; Logwood, 105 bbls., Logwood Mfg. Co., Cape Haiti; 2 bbls., A. E. Paterson, Cape Haiti; Mangrove Bark, 1,000 bgs., Order, Singapore; Quebracho, 20,036 bgs., Tannin Corp., Buenos Aires; 2,033 bgs., Order, Buenos Aires; 9,723 bgs., Fourth Atlantic Nat. Bk. Boston, Buenos Aires; 20,333 bgs., Tannin Corp., Buenos Aires; Sumac, 25 cks., Amer. Dyewood Co., Glasgow
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GELATINE—20 cs., Amer. Exp. Co., Bremen; 200 bgs., Order, Bremen
GLAUBER SALT—37 bbls., Superfos Co., Hamburg
GLUE—393 bgs., Order, Malta
GUMS—25 cs., B. Kazanjian, Bombay; 5 cs., C. L. Huisking, Havre; 210 bgs., L. C. Gillespie & Co., Singapore; Chiclé, 125 bls., H. Triest & Co., Vera Cruz; 14 bgs., J. A. Medina & Co., Vera Cruz; 14 bgs., Gomez & Sloan, Vera Cruz; Copal, 10 bgs., U. S. Varnish Co., Liverpool; 140 bgs., A. Klipstein & Co., Singapore; 103 bgs., Baring Bros. & Co., Singapore; 57 bgs., L. C. Gillespie & Sons, Havre; 143 bgs., 35 cs., Central Union Trust Co., Manila; 140 bgs., Baring Bros. & Co., Singapore; 140 bgs., Irving Bk. Columbia Trust Co., Singapore; Damar, 200 cs., Order, Batavia; 190 cs., Order, Singapore; 250 cs., Order, Singapore; 300 cs., Order, Batavia; 200 cs., Fidelity Internatl. Trust Co., Batavia; 200 cs., Order, Batavia; Myrrh, 30 bgs., Order, Aden; Resin,

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45 cs., Franklin Imp. & Exp. Co., Hamburg; **Tragacanth**, 28 cs., M. Mohrmann, Southampton

HERBS—59 pgs., S. B. Penick & Co., Bremen; 10 pks., J. Schafer, Bremen

HOPS—12 bbls., Hensel Bruckmann & Lorbacher, Bremen; 10 bbls., J. Sonneschein, Hamburg; 65 bbls., E. W. Landesmann, Hamburg; 25 bbls., E. W. Landesmann, Hamburg

HYOSCYAMINE—10 bbls., Order, Hamburg

IRON OXIDE—217 bbls., Reichard Coulston, Inc., Malaga; 62 bbls., E. M. & F. Waldo, Malaga; 16 bbls., Order, Malaga; 25 bbls., C. J. Osborn & Co., Malaga; 130 bbls., Amer. Exch. Nat. Bk., Malaga; 25 bbls., C. D. Chrystal & Co., Malaga; 28 cks., J. A. McNulty & Co., Liverpool

KAPOC—588 bbls., Irving Bk.-Columbia Trust Co., Sourabaya; 206 bbls., Commonwealth Atl. Nat. Bk., Sourabaya; 160 bbls., State Bk., Sourabaya; 140 bbls., Seaboard Nat. Bk., Sourabaya; 140 bbls., Grace & Co. Bk., Sourabaya

LEAVES—19 bbls., J. L. Hopkins & Co., Marseilles; 5 bbls., Peck & Velsor, Marseilles; 17 bbls., J. Powell & Co., Marseilles; 38 bbls., S. B. Penick & Co., Marseilles; 85 bbls., Order, Marseilles; 53 bbls., First Nat. Bk. Minn., Marseilles; **Digitalis**, 44 bgs., Order, Hamburg; **Henna**, 16 bbls., Order, Alexandria; 235 bgs., Order, Hamburg; **Senna**, 30 bbls., First Nat. Bk. Minn., Suez; 47 bbls., Order, Suez; **Senna Siftings**, 14 bbls., Order, Suez

LICORICE—Cuttings, 10 bgs., Order, Marseilles; **Paste**, 150 bxs., H. Utard, Tarragona; 74 cs., Order, Smyrna; 5 cs., Order, Smyrna

LIME JUICE—100 cs., T. A. Hedley, Liverpool; 15 hhdts., T. A. Hedley, Liverpool

LITHOPONE—515 cks., E. M. & F. Waldo, Liverpool

MENTHOL—45 cs., T. Seltzer, Havre

MERCURY—400 flasks, Order, Genoa; 25 flasks, G. Ramos, Tampico

MYROBALANS—6,261 pkts., Mech. & Metals Nat. Bk., Calcutta; 491 pkts., Order, Calcutta

NAPHTHALENE—1,044 bgs., Lunham & Reeve, Rotterdam

NUX VOMICA—100 bgs., Order, Cochín

OCHRE—45 bbls., C. J. Osborn & Co., Malaga; 30 bbls., C. F. Gledhill, Marseilles; 36 cks., Reichard Coulston, Marseilles; 121 cks., J. Lee Smith & Co., Marseilles; 7 cks., Fezandie & Sperrle, Glasgow

OILS—Cocunut, 21 pipes, Volkart Bros., Cochín; 93 hhdts., Order, Cochín; 830 tons, Spencer Kellogg & Sons, Manila; 786 tons, Order, Manila; **Cod**, 150 cks., Order, St. Johns, N. F.; **Olive**, 500 cs., Banca Comm. Ital., Malaga; 100 cs., J. Mendoza, Malaga; 200 cs., 25 bbls., East River Nat. Bk., Malaga; 100 bbls., Internatl. Acceptance Bk., Malaga; 230 cs., East River Nat. Bk., Malaga; 316 cs., Order, Marseilles; 700 cs., J. P. Smith & Co., Marseilles; 100 cs., A. Luccaro & Co., Genoa; 100 cs., N. Goodman & Sons, Genoa; 100 cs., F. Pepe, Genoa; 455 cs., Oceano Shpg. Co., Genoa; 3,638 cs., Order, Genoa; **Palm**, 30 cts., Order, Liverpool; **Sesame**, 119 bbls., Fontana Bros., Rotterdam; **Wood**, 59 bbls., Innes & Co., Hongkong; 59 bbls., Standard Bk. of So. Africa, Hongkong; 276 cs., Nat. City Bank, Hankow; 114 cs., Order, Hankow; 12 cks., Bk. of Manhattan Co., Hongkong

OILS, ESSENTIAL—4 cs., M. L. Van Norden, Hongkong; 9 cs., E. Utard, Havre; 15 cks., Order, Havre; 9 bbls., G. Lueders & Co., Algiers; 10 cks., Order, Marseilles; 16 pgs., F. W. Devoe & Reynolds Co., Havre; 25 cs., Equit. Trust Co., Singapore; **Bay**, 10 cs., Santicni Trdg. Co., Arroyo; **Cassia**, 5 drs., Bank of Manhattan Co., Hongkong; 5 cs., Chase Nat. Bank, Hongkong; **Citronella**, 2 drs., Catz Amer. Co., Batavia; 2 drs., Catz Amer. Co., Batavia; **Fusel**, 10 drs., Banque Belge pour l'Etranger, Sourabaya; **Geranium**, 2 bbls., Ungerer & Co., Algiers; **Orange**, 16 cs., Order, Kingston; 30 cs., Park Benziger Co., Kingston; 20 cs., Huth Gillespie Co., Kingston; 33 cs., Irving Bk., Kingston; 20 cks., West Indies Chem. Wks., Kingston; **Petit Grain**, 6 cs., Equit. Trust Co., Buenos Aires; 25 cs., Equit. Trust Co., Buenos Aires; **Rose**, 1 cse., A. Theodoroff, Hamburg

PLUMBAGO—400 bbls., N. Y. Trust Co., Colombo

POTASSIUM SALTS—Carbonate, 28 cks., P. H. Petry & Co., Bremerhaven; 20 cs., Innis Speiden & Co., Hamburg; **Caustic**, 101 drs., Roessler & Hasslacher Chem. Co., Hamburg; **Nitrate**, 100 cks., Superfos Co., Rotterdam; **Sulfate**, 3,000 bgs., Potash Impgtg. Corp., Bremen

PYRIDINE—12 drs., Lunham & Reeve, Rotterdam; 4 bbls., Cadwallader & Co., Havre

ROOTS—30 bgs., S. Barki, Piraeus; **Broom**, 180 bbls., H. Triest & Co., Vera Cruz; **Canagria**, 214 bgs., Nat. City Bk., Vera Cruz; **Ipecac**, 21 bbls., Gaston & Co., Montevideo; **Licorice**, 46 bgs., 73 bbls., Order, Smyrna; 70 bgs., Brown Bros. & Co., Smyrna; **Sarsaparilla**, 6 bbls., Eggers & Heinlein, Puerto Cortez

SAL AMMONIAC—71 bbls., H. Hinrichs Chem. Corp., Hamburg; 66 bbls., E. Suter & Co., Hamburg

SALT—36,001 bushels, Independent Salt Co., Turks Island; 1,760 bgs., C. F. Rutgers & Co., Hamburg

SEAGRASS—250 bbls., Order, Hongkong; 84 bbls., C. H. Demarest, Inc., Hongkong

SEEDS—Annatto, 31 bgs., Order, Kingston; **Anise**, 30 bgs., Order, Malaga; **Star**, 25 cs., McKesson & Robbins, Hongkong; 50 cs., McLaughlin Gormley & King, Hongkong; **Castor**, 3,419 bgs., Order, Bombay; 2,732 bgs., Volkart Bros., Cocanada; 10,182 bgs., Order, Cocanada; 1,700 bgs., Baker Castor Oil Co., Pernambuco; **Celery**, 50 bgs., Arnand Gaidan Freres & Co., Marseilles; 102 bgs., Order, Marseilles; **Cumin**, 200 bgs., Brown Bros. & Co., Bombay; **Flax**, 17,989 bgs., Order, Rosario; **Mustard**, 500 bgs., Baldwin Universal Co., Hamburg; 56 bgs., Mech. & Metals Nat. Bk., Catania; 350 bgs., Order, Catania

SHELLAC—50 bgs., J. Munroe & Co., Calcutta; 50 bgs., Equit. Trust Co., Calcutta; 600 bgs., Anglo So. Amer. Bk., Calcutta; 50 bgs., Order, Hamburg; 47 bgs., Irving Bank, Hamburg; **Garnet**, 70 bgs., Kasebier Chatfield Shellac Co., Hamburg; **Sticklac**, 100 cs., Order, Marseilles

SODIUM SALTS—Cyanide, 158 cs., Asia Bkg Corp., Marseilles; 50 cs., E. Suter & Co., Liverpool; 20 cs., K. Buck & Co., Liverpool; **Fluoride**, 32 bbls., E. Suter & Co., Hamburg; **Hydrosulfite**, 30 keps, Kuttroff Pickhardt & Co., Liverpool; **Nitrate**, 34,865 bgs.,

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PRIME CRYSTALS—HIGH YIELD
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Minimum 99% Potassium Ferrocyanide

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W. R. Grace & Co., Mejillones; **Sulfate**, 53 drs., C. S. Grant & Co., Hamburg
SPICES—Cassia, 500 bbls., C. R. Standinger, Hongkong; 250 cs., Intern. Banking Corp., Hongkong; 200 cs., Bk. of Amer., Hongkong; **Chilies**, 1,810 bgs., Ital. Amer. Shpg. Corp., Naples; **Cinnamon**, Leaf, 2 drs., Equit. Trust Co., Colombo; **Cloves**, 852 bgs., Italia Amer. Shpg. Corp., Naples; **Ginger**, 2 cs., J. Alcantara, San Juan; 3 bbls., S. Rosen, San Juan; 100 cks., Habicht Braun & Co., Hongkong; 150 cs., Bank of Manhattan Co., Hongkong; 50 cks., R. Ruykhaven, Hongkong; 5 cs., McKesson & Robbins, Hongkong; **Mace**, 5 cs., Colonial Bk., Grenada; 28 cs., Bk. of America, Padang; **Nutmegs**, 100 bgs., Royal Bk. of Canada, Grenada; 50 bgs., Colonial Bk., Grenada; 20 bgs., P. H. Petry & Co., Grenada; 280 bgs., Order, Singapore; **Paprika**, 10 cs., J. C. Murrey, Alicante; 100 bgs., McCormick & Co., Alicante; **Pepper**, 1,000 bgs., N. Y. Nat. Bk., Telok Betong; 600 bgs., Equit. Trust Co., Telok Betong; 3,164 bgs., Catz Amer. Co., Telok Betong; 2,800 bgs., Order, Telok Be-

tong; 415 bgs., Order, Singapore; 330 bgs., Bk. of Amer., Batavia; 330 bgs., Order, Batavia; 250 bgs., Equit. Trust Co., Telok Betong; 1,000 bgs., Guaranty Trust Co., Telok Betong; 1,300 bgs., Bk. of Amer., Telok Betong; 500 bgs., Internl. Bkg. Corp., Telok Betong; 500 bgs., Amer. Exch. Nat. Bk., Telok Betong; 2,750 bgs., Order, Telok Betong; **Pimento**, 250 bgs., Order, Kingston
SPONGES—55 bbls., Nat. Sponge & Chamois Co., Nassau
TAPIOCA—Flour, 931 bgs., Chatham & Phenix Nat. Bk., Cheribon; 474 bgs., Bankers Trust Co., Cheribon; 536 bgs., Goldman Sachs & Co., Batavia; 634 bgs., Chatham & Phenix Nat. Bk., Batavia; 430 bgs., Catz Amer. Co., Batavia; 1,000 bgs., Stein Hall & Co., Batavia; 992 bgs., Order, Batavia; 1,372 bgs., Catz Amer. Co., Sourabaya; 204 bgs., Chatham & Phenix Nat. Bk., Samarang; 205 bgs., Guaranty Trust Co., Samarang; 1,003 bgs., Stein Hall & Co., Batavia; 255 bgs., Catz Amer. Co., Batavia; 533 bgs., Goldman Sachs & Co., Batavia; 1,914 bgs., Order, Batavia; **Pearl**, 56 bgs., Catz Amer. Co.,

Batavia; 375 bgs., Order, Penang; 87 bgs., Catz Amer. Co., Batavia; 287 bgs., Archibald & Lewis Co., Batavia; 287 bgs., Stein Hall & Co., Batavia
TARTAR—227 bgs., Royal Bkg. Powder Co., Marseilles; 1,041 bgs., C. Pfizer & Co., Marseilles; 70 bgs., Tartar Chem. Wks., Marseilles; 254 bgs., C. Pfizer & Co., Lisbon; **Cream**, 40 bbls., Order, Marseilles
VANILLA BEANS—24 cs., Dodge & Olcott, Vera Cruz
WAX—35 bgs., Vorde des Chargeurs, Lisbon; 145 blocks, Order, Lisbon; 40 cs., Order, Glasgow; **Bees**, 149 bgs., London & Brazil Bk., Lisbon; 50 cs., Nat. City Bk., Hamburg; 11 bgs., D. Steengrafe, Ponce; 33 bgs., Order, Liverpool; **Carnauba**, 356 bgs., Amer. Tdg. Co., Buenos Aires; **Carnauba**, 344 bgs., Order, Para; 154 bgs., Nat. City Bk., Pernambuco; 46 bgs., W. R. Grace & Co., Pernambuco; **Montan**, 225 bgs., North German Lloyd, Bremerhaven; 225 bgs., W. Schall & Co., Bremen
ZINC—Oxide, 100 bbls., Philipp Bros., Liverpool

Business Briefs

Elkton Lithia Ice Co., Elkton, Va., is in the market for calcium chloride, sodium chloride and cork.

Imports of white arsenic for October amounted to 1,393,368 pounds and for the first ten months of 1923, 16,768,752 pounds valued at \$1,550,575.

Philip A. Singer & Bro., New Jersey have been licensed to do business in New York, and are represented by the Secretary of State.

Orders for narcotics by weight will avoid the possibility of error in transposing the number of packages into weights, according to Powers-Weightman-Rosengarten Co., Philadelphia.

Central Calcium Arsenate Co., Inc., Shreveport, La., has been organized and plans to produce about forty tons of calcium arsenate per day. W. H. Hodges, Jr., is president, and B. S. Braswell, secretary-treasurer.

At the suggestion of Langley & Michaels, San Francisco, the wholesale drug trade of that city met recently to discuss ways and means of drug distribution. The meeting was held at the Palace Hotel and was addressed by R. G. Pankow and F. J. Stockdale.

William Wrigley, Jr., Co., Chicago, reports net profits of \$5,740,457 for nine months ending Sept. 30, equal to about \$3.20 a share on the 1,800,000 shares outstanding capital stock of \$25 share par value.

A new use for copper sulfate is seen in a new type of road material. Copper sulfate is added to the usual asphalt concrete in amount equal to about three per cent of the weight of asphalt. The salt has a tempering effect which prevents running of the asphalt when exposed to high atmospheric temperatures.

Formal transfer of 527 acres of land at the Old Hickory Powder Plant near Nashville, Tenn. to the du Pont Fiber Silk Co. for a consideration of \$650,000, has been perfected, and the company will erect a \$4,000,000 silk plant. B. M. May, of the du Pont company, said that preparations to build the silk plant would be resumed within a week, and that J. P. Hannum would probably return to Nashville to superintend the work.

Proposed revision of rates on sulfuric and muriatic acids, resulting in both increases and reductions, from Moundsville, W. Va.; Tiltonville, Ohio; Langloeth, Burgettstown, Beaver Falls, New Castle, Natrona, Donora, and Newell, Pa., to points in Ohio, West Virginia, and Pennsylvania in the Wheeling, Youngstown and Pittsburgh districts, have been disapproved by the Interstate Commerce Commission.

SAN FRANCISCO BRINGS IN COPRA

Imports at San Francisco for the first week of December included the following: On steamer President Pierce, from Manila, to S. L. Jones & Co., 5,000 bags of copra meal, to Atkins, Kroll & Co., 3,000 bags copra meal; from Hongkong, to Bank of California, 50 cases cassia rolls, to Ti Hank Lung & Co., 5 cases nut oil, to order 100 drums wood oil and 12 barrels wood oil; from Batavia, via Hongkong, to Bank of California, 543 bags tapioca; from Sourabaya, via Hongkong, to order 222 bags tapioca flour; from Balikpapan, via Hongkong, to Shell Co. of California, 3,500 bags paraffine wax; from Calcutta, via Hongkong, to Standard Color & Chemical Co., 25 bags shellac; from Colombo, via Hongkong, to Bank of Montreal, 25 bales cinnamon and to Bank of California, 100 bales cinnamon and 200 bags cocoa beans; from Shanghai, to Hale Co., 163 cases wood oil; from Kobe, to T. Utsaki, 10 cases camphor, and to Dodwell & Co., 44 bags rapeseed.

On steamer Guerrero, from Manzanillo, to Otis, McAllister & Co., 600 cases turpentine, to S. L. Jones & Co., 20 cases turpentine, and to order 450 cases turpentine. On steamer Vermont, from Havre, to R. Coulston, 5 cases blueing, and, from Bordeaux, to American Cream Tartar Co., 800 bags tartar. On steamer Las Vegas, from Manila, to order, 451 sacks copra cake and 1,140 sacks copra.

The annual report of the Bureau of Chemistry, Department of Agriculture states that an office of drug control was established to co-ordinate the work of the bureau and will function in reference to drugs and medicines in same manner as that the food control laboratory operates with respect to foods. The products coming within the scope of this office may be divided into four classes: (1) Crude drugs; (2) manufactured drugs; (3) pharmaceutical preparations; and (4) "patent medicines."

V. Vivaudou, Inc., New York, has been ordered to discontinue the corporation's practice of fixing prices at which jobbers may sell its products to retailers and at which retailers may sell to consumers. The action is taken by the Federal Trade Commission, which found that the company has listed dealers in both classes who refuse to comply with the resale prices. It must likewise abandon the practice of refusing to sell to customers who disregard the fixed levels which it has sought to maintain.

"Dyer's Formulas" for use in connection with the 1924 Spring season shade card of the Textile Color Card Association of the U. S., Inc., has been issued by the National Aniline & Chemical Co. The booklet contains recipes for dyeing silk, cotton, wool and leather.

CHEMICAL EQUIPMENT MAKERS ADOPT CODE OF FAIR AND UNFAIR PRACTICES

Fourteen Points for Manufacturers to Observe in Their Dealings with the Chemical and Chemically Controlled Industries—Additional Rules Relating to Technical Points in the Trade

The organized manufacturers of chemical equipment and accessories have just defined in a formal document fair and unfair business practices as these affect their dealings with the chemical and chemically controlled industries. This document is now the Code of Ethics of the Chemical Equipment Association. The general principles are incorporated in fourteen paragraphs which are given below, but further declarations relating to the technical points in the business are given in fourteen additional paragraphs;

Ethical practice shall be such in the eyes of the Association that it shall constitute a violation thereof if any member:

1.—Knowingly or deliberately manufactures or distributes products fundamentally inapplicable to the purposes for which they are offered for sale, or demonstrably of inefficient or unsatisfactory character.

2.—Offers or pays commissions to purchasers or prospective purchasers or their employees or engages in commercial bribery to obtain new business or the continuation of patronage by direct or indirect rebating of purchase money, by granting long-term credits not in keeping with trade custom, by excessive entertaining or any other means.

3.—Willfully misrepresents to buyers or prospective buyers the quality or character of commodities or services offered by that member.

4.—Uses trade names or descriptive terms which simulate trade names or descriptive terms (unless generic terms or recognized scientific or engineering terms) of other articles or misrepresents the conditions of manufacture or of origin of articles offered.

5.—Distributes samples of better grade than the product they are supposed to represent.

6.—Participates in trade boycotts or combinations of traders to prevent buyers from obtaining goods through customary channels.

7.—Sells or offers for sale rebuilt articles as new products, or sells or offers for sale articles represented as originally designed and manufactured for a use or uses other than those for which the articles actually were originally designed and manufactured.

8.—Engages in "leader" selling; that is, selling one piece of goods at less than cost and recouping on others sold at the same time.

9.—Makes up and disseminates false cost sheets.

10.—Discriminates in prices between different purchasers or different localities upon other than legitimate costs, sales, and delivery considerations.

11.—Willfully misrepresents market or supply conditions either as to finished products or raw materials, in such manner as induces or is designed to induce buyers to overbuy requirements or contract for future deliveries to their plain loss or disadvantage.

12.—Divulges without authorization to any person, information obtained confidentially as to business affairs or technical methods and processes of a client or customer.

13.—Refuses on technicalities of contract or for other reasons to replace gratis or to obtain such replacement from the manufacturer (if the member has acted merely as distributor or jobber) parts of equipment which have been proved conclusively to be defective in their manufacture.

14.—Refuses to devote its special knowledge, skill and training to the public welfare when called upon by governmental authority or recognized civic and industrial authorities and agencies.

PUT BAN ON ADULTERATED INSECTICIDES (Special to DRUG & CHEMICAL MARKETS)

Washington, D. C., Dec. 19.—New insecticides and fungicides, some of them representing new manufactures of standard remedies, others representing new theories of treatment or old ones which have been discredited, constantly are being put on the market. The Insecticide and Fungicide Board of the Department of Agriculture is continually making tests of these preparations but the work has been too large with the funds available, the Board states in its annual report.

Under the Insecticide Act, a campaign has been carried on during the year by the Board to keep up the standard of calcium arsenate, which was imported from abroad for the first time, and all of it was submitted to tests and the unsatisfactory material refused admittance. Work was carried on to improve the quality of Bordeaux mixture and to prevent adulteration of coal-tar dips and pine-oil disinfectants.

The law has been invoked against the manufacturers of insect powders who adulterated the product with daisy flowers and flower stems.

DISINFECTANT ASS'N ELECTS OFFICERS

C. C. Baird was elected president of the Insecticide and Disinfectant Manufacturers Association at the New York meeting; H. W. Cole, secretary; F. A. Hoyt, first vice president; W. H. Gesell, second vice president; Robert J. Jordan, treasurer. The Board of Governors is composed of M. M. Marcuse, Benjamin Newman, K. A. Dolge, and the officers of the Association.

President C. C. Baird commented in his annual report on the cresylic acid situation and cited the inability of the American Red Cross to obtain sufficient cresol compound at the time of the Japanese earthquake. He placed the blame on the tariff, which prevents imports. Referring to the name of the organization President Baird recommended an amendment to the Constitution changing it to Disinfectant Manufacturers Association. (A subsequent motion to make the change was laid on the table). He also recommended an amendment to admit manufacturers and jobbers, who are in the business on a small scale, to associate membership at low dues, but without voting privileges. (On putting the question to a vote the proposition was killed).

H. W. Cole, secretary, reviewed the activities of the Association in combatting adverse Federal and State legislation.

It was the consensus of opinion of the members that a tariff on insecticides was necessary to some extent or domestic production would stop.

HEAVY SALES HERE OF GERMAN POTASH

Potash Importing Co. of America, 81 Fulton St., New York, successor of German Kali Co., which controls the distribution of German potash in the United States, states that German potash exports to the United States during 1923 will exceed those of any year with the possible exception of 1913. Unlike the Kali company here before the war, which was merely the agent for the German Potash Syndicate, the Potash Importing Company buys the German potash outright, reselling it to American fertilizer manufacturers.

A. H. Forbes, one of the organizers of the Potash Importing Co., said that, contrary to recent newspaper reports, there was neither uncertainty of delivery nor disorganization in the German potash industry. In support of his statement he declared that, as against 273,124 short tons of potash imported into the United States in 1913, the imports this year would equal and probably surpass this figure. Practically all of this imported potash comes from Germany.

"The German industry is self-contained, able to secure all its raw materials and coal within its own organization, and any quantity of potash salts can be supplied to meet the demands of American farmers," said Mr. Forbes. "This does not mean, however, that the American potash industry will suffer, as there is a potential market sufficient for all."

The Tariff Commission announces that further investigation is necessary in the casein case, as to the value of the skimmed milk both in the United States and in the principal competing country, Argentina.

Maryland Chemical Co., Haines and Russell streets, Baltimore, has been appointed by The Barrett Co. sole distributing agent for Barrett anhydrous ammonia, which will be kept in stock in various sized cylinders.

Wm. S. Gray & Co., New York, announce that judgment against Ansco Co. for \$5,932.45 has been satisfied.

Federal Match Corp. has obtained judgment against Alfred and Charles Kramer for \$147.00.

SODIUM CYANIDE

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(Ocean Chemical Co., Ltd.)

WHITE ARSENIC 99%

Wheal Jewell & Marytavy Mines Ltd.,
Devon, England

NAPHTHALENE

PYRIDINE

CRESYLIC ACID

CRESOL U. S. P.

Jas. Miller Son & Co., Ltd., Glasgow

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 3 Park Place, New York.

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CHEMICAL LABORATORY having made a radical departure in the preparation of Castor Oil for medicinal use rendering it pleasant, palatable and free from all of the objectionable characteristics of Castor Oil; but retaining all its valuable therapeutic properties, desires to form connections with wholesale druggists capable of giving this product a wide distribution. Liberal contract and exclusive territory to those able to develop a volume of business. This product is endorsed by prominent physicians and hospitals. It is not just another of the so-called tasteless Castor Oils. Box 541, **DRUG & CHEMICAL MARKETS**.

FOR SALE—Old established Import and Manufacturing Business, (Botanical Drugs). Reason Advanced age. Stock is high grade and well assorted. Cash required \$5,000. Rest in notes endorsed by responsible parties. Box 538, **DRUG & CHEMICAL MARKETS**.

CAPITAL WANTED—An experienced pharmaceutical man, graduate of Philadelphia College of Pharmacy and ten years selling and detail work has formula for a specialty which will require \$12,000 additional capital to make and exploit. Will make equal cash investment and offer half interest to man with ability and experience as an active partner. Box 517, **DRUG & CHEMICAL MARKETS**.

EXPORT SELLING—Established organization desires several new non-competitive lines in the chemical and drug field with exclusive export rights. Good connections. Can put over the right line of goods. Box 507, **DRUG & CHEMICAL MARKETS**.

CHRISTMAS GREETINGS—Special greeting cards designed by well known advertising artist and printed or engraved to your order. Box 521, **DRUG & CHEMICAL MARKETS**.

ADVERTISING—If you desire to have your Want Ad read by people in the trade, try this page. While the average newspaper is about one or two percent effective as far as chemical wants are concerned, this page is read 100% by makers, sellers, and buyers of chemicals, drugs, and allied products. Five cents per word—one dollar minimum.

BUSINESS OPPORTUNITIES

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ARTISTS FOR MANUFACTURERS—Clever layouts, snappy designs, photo retouching for advertisements, booklets, catalogues. JACOB STEIN STUDIO, 432 Fourth Ave., N. Y. C.

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EXTRACT CHEMIST—Widely experienced along Imitation Flavors, True Fruits, Emulsions and allied products, for the bottling trade, bakery and household uses, seeks connection with progressive firm. Box 536, **DRUG & CHEMICAL MARKETS**.

CHEMICAL SALESMAN—Experienced and reliable man will be open for engagement after January first because of change in firm's ownership. Box 519, **DRUG & CHEMICAL MARKETS**.

ENGLISHMAN with nine years experience selling industrial chemicals (four years in Canada) seeks connection in Canadian sales staff or as Canadian manager of American manufacturer or importer. Familiar with line; University graduate; good appearance and personality. Highest references from employers. Box 527, **DRUG & CHEMICAL MARKETS**.

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CHEMICAL ENGINEER, M. I. T. graduate two years practical experience in factory and development work on starches and dextrines, desires connection where originality and resourcefulness are required. Box 531, **DRUG & CHEMICAL MARKETS**.

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